

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
202000	Excavation and Embankment	yd ³ (m ³)	1 / 1000 (1 / 750)	T88, T89, T90, T99 (Method C), T310
202534	Clay Liner	yd ² (m ²)	minimum 1 / 1000 (1 / 750)	T88, T89, T90
202543	Clay Fill	yd ³ (m ³)	minimum 1 / 1000 (1 / 750)	T88, T89, T90
207000	Excavation and Backfill for Structures	yd ³ (m ³)	1 / 1000 (1 / 750)	T88, T89, T90, T99 (Method C), T310
208000	Excavation and Backfill for Pipe Trenches	yd ³ (m ³)	1 / 300 (1 / 200)	T88, T89, T90, T99 (Method C), T310
208500	Flowable Fill	yd ³ (m ³)	2 / 500 (2 / 400)	T22, T23 or ASTM C39
208508	Excavation and Backfill for Common Trenches	yd ³ (m ³)	1 / 1000 (1 / 750)	T88, T89, T90, T99 (Method C), T310
208510	Special Excavation and Backfill for Trenches	yd ³ (m ³)	1 / 1000 (1 / 750)	T88, T89, T90, T99 (Method C), T310
209001	Borrow, Type A	yd ³ (m ³)	1 / 750 (1 / 600)	T88, T89, T90, T99 (Method C), T310
209002	Borrow, Type B	yd ³ (m ³)	1 / 500 (1 / 400)	T88, T89, T90, T99 (Method C)
209003	Borrow, Type C	yd ³ (m ³)	1 / 300 (1 / 200)	T88, T89, T90, T99 (Method C), T310
209004	Borrow, Type D	yd ³ (m ³)	1 / 1000 (1 / 750)	T88, T89, T90, T99 (Method C), T310
209005	Borrow, Type E	yd ³ (m ³)	1 / 1000 (1 / 750)	T88, T89, T90, T99 (Method C), T310
209006	Borrow, Type F	yd ³ (m ³)	1 / 1000 (1 / 750)	T88, T89, T90, T99 (Method C), T310
209007	Borrow, Type G	yd ³ (m ³)	1 / 500 (1 / 400)	T88, T89, T90, T99 (Method C), T310
209500	Coal Ash	yd ³ (m ³)	1 / 1000 (1 / 750)	T88, T89, T90, T99 (Method C)
209503	Lightweight Fill	yd ³ (m ³)	minimum 1 / 1000 (1 / 750)	T88, T89, T90, T310
210000	Furnishing Borrow Type C for Pipe, Utility Trench, and Structure Backfill	yd ³ (m ³)	1 / 500 (1 / 400)	T88, T89, T90, T99 (Method C), T310
210001	Furnishing Borrow Type F for Pipe, Utility Trench, and Structure Backfill	yd ³ (m ³)	1 / 1000 (1 / 750)	T88, T89, T90, T99 (Method C), T310
210002	Furnishing Borrow Type B for Pipe, Utility Trench, and Structure Backfill	yd ³ (m ³)	1 / 500 (1 / 400)	T88, T89, T90, T99 (Method C), T310
212000	Undercut Excavation	yd ³ (m ³)	1 / 1000 (1 / 750)	T88, T89, T90, T99 (Method C), T267, T310
212001	Undercut Excavation, Patching	yd ³ (m ³)	1 / 1000 (1 / 750)	T88, T89, T90, T99 (Method C), T267, T310
251000	Silt Fence	ft (m)	minimum 1 / Source / Contract	Certification of Posts to Meet Size Requirements, Wire Mesh to AASHTO M 55 Steel Used Must be Schedule 40 Pipe or a Standard Steel T or U Shape, Certification of Mulch, Visual Inspection of Seed, Geotextile Certified by ASTM D4632, D3786, D4533, D3776, D4355, VA DOT VTM51; Should Prefabricated Fence Be Used it Shall Consist of the Same Materials

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251001	Reinforced Silt Fence	ft (m)	minimum 1 / Source / Contract	Certification of Posts to Meet Size Requirements, Wire Mesh to Meet AASHTO M 55, Steel Used Must be Schedule 40 Pipe or a Standard Steel T or U Shape, Certification of Mulch, Visual Inspection of Seed, Geotextile Certified by ASTM D4632, D3786, D4533, D3776, D4355, VA DOT VTM51; Should Prefabricated Fence Be Used it Shall Consist of the Same Materials
251500	Dewatering Filter Fence	ft (m)	minimum 1 / Source / Contract	Certification that Material is Mirafi 140N, Exxon GTF 130D, Amoco 4545 or Approved Equal, Certified to Meet Size Requirements
252000	Inlet Sediment Control, Drainage Inlet	Each	minimum 1 / Source / Contract	Certification of Geotextile by ASTM D4491 or VA DOT VTM51, Certification of Mulch and Wire Mesh, Visual Inspection of Lumber and Seed, T27 for Stone
252001	Inlet Sediment Control, Curb Inlet	Each	minimum 1 / Source / Contract	Certification of Geotextile by ASTM D4491 or VA DOT VTM51, Certification of Mulch and Wire Mesh, Visual Inspection of Lumber and Seed, T27 for Stone
252002	Inlet Sediment Control, At Grade Inlet	Each	minimum 1 / Source / Contract	Certification of Geotextile by ASTM D4491 or VA DOT VTM51, Certification of Mulch and Wire Mesh, Visual Inspection of Lumber and Seed, T27 for Stone
254000	Stone Check Dam	Ton (t)	minimum 1 / Source / Contract	Certification of Seed and Mulch; T27 for Aggregate. Visual Inspection of Riprap for Gradation, Certification of Stone using T85
255000	Sediment Trap	yd ³ (m ³)	minimum 1 / Source / Contract	Certification of Mulch and Fertilizer, Visual Inspection of Seed, Water AASHTO T26, Limestone AASTHO T27
256000	Riser Pipe Assembly for Sediment Trap, 12" (300 mm)	Each	minimum 1 / Source / Contract	Certification of Wire Mesh, Metal Base Plate, and Trash Hood to Meet Size and Material Requirements, Visual Inspection of Riprap for Gradation and Seed, T11, T19, T27, T85, T96 for Stone, Certification of Geotextile by ASTM D4491 or VA DOT VTM51
256001	Riser Pipe Assembly for Sediment Trap, 15" (375 mm)	Each	minimum 1 / Source / Contract	Certification of Wire Mesh, Metal Base Plate, and Trash Hood to Meet Size and Material Requirements, Visual Inspection of Riprap for Gradation and Seed, T11, T19, T27, T85, T96 for Stone, Certification of Geotextile by ASTM D4491 or VA DOT VTM51
256002	Riser Pipe Assembly for Sediment Trap, 18" (450 mm)	Each	minimum 1 / Source / Contract	Certification of Wire Mesh, Metal Base Plate, and Trash Hood to Meet Size and Material Requirements, Visual Inspection of Riprap for Gradation and Seed, T11, T19, T27, T85, T96 for Stone, Certification of Geotextile by ASTM D4491 or VA DOT VTM51

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256003	Riser Pipe Assembly for Sediment Trap, 21" (525 mm)	Each	minimum 1 / Source / Contract	Certification of Wire Mesh, Metal Base Plate, and Trash Hood to Meet Size and Material Requirements, Visual Inspection of Riprap for Gradation and Seed, T11, T19, T27, T85, T96 for Stone, Certification of Geotextile by ASTM D4491 or VA DOT VTM51
256004	Riser Pipe Assembly for Sediment Trap, 24" (600 mm)	Each	minimum 1 / Source / Contract	Certification of Wire Mesh, Metal Base Plate, and Trash Hood to Meet Size and Material Requirements, Visual Inspection of Riprap for Gradation and Seed, T11, T19, T27, T85, T96 for Stone, Certification of Geotextile by ASTM D4491 or VA DOT VTM51
257000	Riprap Ditch	yd ³ (m ³)	minimum 1 / Source / Contract	Pins Certified to Meet Size and Material Requirements, Visual Inspection of Riprap for Gradation, Visual Inspection of Seed, Certification of Mulch, Stone T11, T19, T27, T85, T96, Certification of Geotextile to be Mirafi 700X or Erosion 1 (Synthetic Industries), Linq GTF 400E or Poly-Filter X (Carthage Mills), TerraTex Ep (WEBTEC, Inc.) or an approved equal
259000	Perimeter Dike / Swale, Type A-1	ft (m)	minimum 1 / Source / Contract	Certification of Mulch, Visual Inspection of Seed, Certification of Geotextile to be Mirafi 700X or Erosion 1 (Synthetic Industries), Linq GTF 400E or Poly-Filter X (Carthage Mills), TerraTex Ep (WEBTEC, Inc.) or an approved equal, Visual Inspection of Riprap for Gradation Requirements
259001	Perimeter Dike / Swale, Type A-2	ft (m)	minimum 1 / Source / Contract	Certification of Mulch, Visual Inspection of Seed, Certification of Geotextile to be Mirafi 700X or Erosion 1 (Synthetic Industries), Linq GTF 400E or Poly-Filter X (Carthage Mills), TerraTex Ep (WEBTEC, Inc.) or an approved equal, Visual Inspection of Riprap for Gradation Requirements
259002	Perimeter Dike / Swale, Type A-3	ft (m)	minimum 1 / Source / Contract	Certification of Mulch, Visual Inspection of Seed, Certification of Geotextile to be Mirafi 700X or Erosion 1 (Synthetic Industries), Linq GTF 400E or Poly-Filter X (Carthage Mills), TerraTex Ep (WEBTEC, Inc.) or an approved equal, Visual Inspection of Riprap for Gradation Requirements
260000	Earth Dike, Type A-1	ft (m)	minimum 1 / Source / Contract	Visual Inspection of Seed, Certification of Geotextile to be Mirafi 700X or Erosion 1 (Synthetic Industries), Linq GTF 400E or Poly-Filter X (Carthage Mills), TerraTex Ep (WEBTEC, Inc.) or an approved equal, Certification of Mulch, Visual Inspection of Riprap for Gradation, T88, T89, T90, T99 (Method C), T310 for Borrow

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		UNIT	SAMPLES / UNIT	
260001	Earth Dike, Type A-2	ft (m)	minimum 1 / Source / Contract	Visual Inspection of Seed, Certification of Geotextile to be Mirafi 700X or Erosion 1 (Synthetic Industries), Linq GTF 400E or Poly-Filter X (Carthage Mills), TerraTex Ep (WEBTEC, Inc.) or an approved equal, Certification of Mulch, Visual Inspection of Riprap for Gradation, T88, T89, T90, T99 (Method C), T310 for Borrow
260002	Earth Dike, Type A-3	ft (m)	minimum 1 / Source / Contract	Visual Inspection of Seed, Certification of Geotextile to be Mirafi 700X or Erosion 1 (Synthetic Industries), Linq GTF 400E or Poly-Filter X (Carthage Mills), TerraTex Ep (WEBTEC, Inc.) or an approved equal, Certification of Mulch, Visual Inspection of Riprap for Gradation, T88, T89, T90, T99 (Method C), T310 for Borrow
260003	Earth Dike, Type B-1	ft (m)	minimum 1 / Source / Contract	Visual Inspection of Seed, Certification of Geotextile to be Mirafi 700X or Erosion 1 (Synthetic Industries), Linq GTF 400E or Poly-Filter X (Carthage Mills), TerraTex Ep (WEBTEC, Inc.) or an approved equal, Certification of Mulch, Visual Inspection of Riprap for Gradation, T88, T89, T90, T99 (Method C), T310 for Borrow
260004	Earth Dike, Type B-2	ft (m)	minimum 1 / Source / Contract	Visual Inspection of Seed, Certification of Geotextile to be Mirafi 700X or Erosion 1 (Synthetic Industries), Linq GTF 400E or Poly-Filter X (Carthage Mills), TerraTex Ep (WEBTEC, Inc.) or an approved equal, Certification of Mulch, Visual Inspection of Riprap for Gradation, T88, T89, T90, T99 (Method C), T310 for Borrow
260005	Earth Dike, Type B-3	ft (m)	minimum 1 / Source / Contract	Visual Inspection of Seed, Certification of Geotextile to be Mirafi 700X or Erosion 1 (Synthetic Industries), Linq GTF 400E or Poly-Filter X (Carthage Mills), TerraTex Ep (WEBTEC, Inc.) or an approved equal, Certification of Mulch, Visual Inspection of Riprap for Gradation, T88, T89, T90, T99 (Method C), T310 for Borrow
262000	Stilling Well	yd ³ (m ³)	minimum 1 / Source / Contract	Visual Inspection of Seed, Certification of Geotextile to be Mirafi 700X or Erosion 1 (Synthetic Industries), Linq GTF 400E or Poly-Filter X (Carthage Mills), TerraTex Ep (WEBTEC, Inc.) or an approved equal, Certification of Mulch, Visual Inspection of Riprap for Gradation Requirements
263000	Sump Pit, Type 1	Each	minimum 1 / Source / Contract	Certification of Pipe to M36, M218, M274, M196, M190, Certification of Geotextile by ASTM D4491 or VA DOT VTM51, Stone T11, T19, T27, T85, T96

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ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
263001	Sump Pit, Type 2	Each	minimum 1 / Source / Contract	Certification of Pipe to M36, M218, M274, M196, M190, Certification of Geotextile by ASTM D4491 or VA DOT VTM51, Stone T11, T19, T27, T85, T96
264000	Dewatering Basin	Each	minimum 1 / Source / Contract	Visual Inspection of Seed, Certification of Geotextile to be Mirafi 700X or Erosion 1 (Synthetic Industries), Linq GTF 400E or Poly-Filter X (Carthage Mills), TerraTex Ep (WEBTEC, Inc.) or an approved equal, Mulch, Visual Inspection of Riprap for Gradation, T88, T89, T90, T99, T310 for Borrow
265000	Geotextile Lined Channel Diversion	yd ³ (m ³)	minimum 1 / Source / Contract	Certification of Geotextile to be Mirafi 700X or Erosion 1 (Synthetic Industries), Linq GTF 400E or Poly-Filter X (Carthage Mills), TerraTex Ep (WEBTEC, Inc.) or an approved equal, Visual Inspection of Seed, Certification of Mulch, T27 for Stone, Certification of Fasteners to Meet Size and Material Requirements
269000	Turbidity Curtain, Floating	ft (m)	minimum 1 / Source / Contract	Submittal of Technical Data Sheets or Approval Based on Field Performance and Copies of Technical Data Sheets sent to Engineer
269001	Turbidity Curtain, Staked	ft (m)	minimum 1 / Source / Contract	Submittal of Technical Data Sheets or Approval Based on Field Performance and Copies of Technical Data Sheets sent to Engineer
272000	Pond Outlet Structure, Concrete #1	Each	See Division 200	T88, T89, T90, T99 (Method C), T310 for Borrow, See Division 200 for Concrete, Plant Inspection for Steel, ASTM C1107 for Grout, Certification of Steps to AASHTO M31, ASTM A 478 and ASTM D 4101
272001	Pond Outlet Structure, Concrete #2	Each	See Division 200	T88, T89, T90, T99 (Method C), T310 for Borrow, See Division 200 for Concrete, Plant Inspection for Steel, ASTM C1107 for Grout, Certification of Steps to AASHTO M31, ASTM A 478 and ASTM D 4101
272002	Pond Outlet Structure, Concrete #3	Each	See Division 200	T88, T89, T90, T99 (Method C), T310 for Borrow, See Division 200 for Concrete, Plant Inspection for Steel, ASTM C1107 for Grout, Certification of Steps to AASHTO M31, ASTM A 478 and ASTM D 4101
272003	Pond Outlet Structure, Concrete #4	Each	See Division 200	T88, T89, T90, T99 (Method C), T310 for Borrow, See Division 200 for Concrete, Plant Inspection for Steel, ASTM C1107 for Grout, Certification of Steps to AASHTO M31, ASTM A 478 and ASTM D 4101

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		UNIT	SAMPLES / UNIT	
272004	Pond Outlet Structure, Concrete #5	Each	See Division 200	T88, T89, T90, T99 (Method C), T310 for Borrow, See Division 200 for Concrete, Plant Inspection for Steel, ASTM C1107 for Grout, Certification of Steps to AASHTO M31, ASTM A 478 and ASTM D 4101
272005	Pond Outlet Structure, Concrete #6	Each	See Division 200	T88, T89, T90, T99 (Method C), T310 for Borrow, See Division 200 for Concrete, Plant Inspection for Steel, ASTM C1107 for Grout, Certification of Steps to AASHTO M31, ASTM A 478 and ASTM D 4101
274000	Clay Borrow, Stormwater Management Pond, Type I	yd ³ (m ³)	minimum 1 / Source / Contract	T88, T89, T90, T99M (Method C), T310
274001	Clay Borrow, Stormwater Management Pond, Type II	yd ³ (m ³)	minimum 1 / Source / Contract	T88, T89, T90, T99M (Method C), T310
301000	Select Borrow Base Course	yd ³ (m ³)	1 / 500 (1 / 400)	T88, T89, T90, T99 (Method C), T310
302005	Graded Aggregate Base Course, Type B	Ton (t)	1 / 1350 (1 / 1200)	T2, T27, T96, T99 (Method C), T191, T224, T272, T310
302006	Graded Aggregate Base Course, Type B, Patching	Ton (t)	1 / 1350 (1 / 1200)	T2, T27, T96, T99 (Method C), T191, T224, T272, T310
302007	Graded Aggregate Base Course, Type B	yd ³ (m ³)	1 / 550 (1 / 500)	T2, T27, T96, T99 (Method C), T191, T224, T272, T310
302008	Graded Aggregate Base Course, Type B, Patching	yd ³ (m ³)	1 / 550 (1 / 500)	T2, T27, T96, T99 (Method C), T191, T224, T272, T310
302500	Delaware No. 3 Stone	Ton (t)	minimum 1 / Source / Contract	T27
302501	Delaware No. 8 Stone	Ton (t)	minimum 1 / Source / Contract	T19, T27
302502	Delaware No. 2 Stone	Ton (t)	minimum 1 / Source / Contract	T27
302503	Delaware No. 57 Stone	Ton (t)	minimum 1 / Source / Contract	T11, T19, T27, T85, T96
302504	Delaware No. 67 Stone	Ton (t)	minimum 1 / Source / Contract	T27
302505	Delaware No. 10 Stone	Ton (t)	minimum 1 / Source / Contract	T27
302509	Delaware No. 1 Stone	Ton (t)	minimum 1 / Source / Contract	T11, T19, T27, T85, T96
302510	Delaware No. 57 Stone	yd ² -in (m ² -25mm)	minimum 1 / Source / Contract	T11, T19, T27, T85, T96
302513	Crushed P.C. Concrete Base Course	yd ³ (m ³)	minimum 1 / Source / Contract	T27
302514	Milled Hot-Mix Base Course	yd ³ (m ³)	minimum 1 / Source / Contract	T27
303500	Soil Cement Base Course, 6" (150 mm)	yd ² (m ²)	1 / 500 (1 / 400)	T88, T89, T90, T99 (Method C), T22, T23, or ASTM C39
303501	Soil Cement Base Course	yd ² -in (m ² -25mm)	1 / 500 (1 / 400)	T88, T89, T90, T99 (Method C), T22, T23, or ASTM C39

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304001	HFMS-2S	gal (L)	minimum 1 / Source / Contract	AASHTO M-208, AASHTO T59, T72, T49
304501	Permeable Treated Base, 4" (100 mm)	yd ² (m ²)	1 / 500 (1 / 400)	Stone Tested by T11, T19, T27, T85, T96, also Must Meet AASHTO M43 and AASHTO M283, Asphalt Cement Must Meet AASHTO M226 Table 2 requirements, Antistripping evaluated by AASHTO R15, Tested according to AASHTO T283, Portland Cement Certified to AASHTO M 85, Fineness measured by Air Permeability test, DOH 16; Asphalt Treated Base Tested by AASHTO T164, T166, T209, T269, See Division 300
304502	Soil Cement Base Course, 6" (150 mm)	yd ² (m ²)	1 / 500 (1 / 400)	T88, T89, T90, T99 (Method C), T22, T23, or ASTM C39
304503	Portland Cement	lb (kg)	minimum 1 / Source / Contract	Certification to AASHTO M 85, Fineness measured by Air Permeability test
305001	Graded Aggregate for Temporary Roadway Material	Ton (t)	1 / 550 (1 / 500)	T2, T27, T96
401501	Waterproofing Membrane	yd ² (m ²)	minimum 1 / Source / Contract	Certification that Waterproofing Material is Ryston 10A Membrane, Primer is Roybond 713A (Royston Laboratories Division), Petrotac with Henry's Petrotac Primer (Phillips Petroleum Fiber Corp) or Approved Equal
401509	Asphaltic Reinforced Membrane	ft ² (m ²)	minimum 1 / Source / Contract	Certification by Tests ASTM D412, D70, E12, D5261, D1777, D517, D36, D146, FMVSS 302, Tack must meet AASHTO M226
401510	Porous Flexible Pavement	ft ² (m ²)	minimum 1 / Source / Contract	Certification that Support System is "Turf Pavers" (E.P. Henry Corporation), "Geoblock" (Presto Products Company) or approved equal, Topsoil T194, Graded Aggregate T2, T27, T96, T99 (Method C), T191, T224, T310, T272
401517	Stone Matrix Asphalt Wearing Surface	Ton (t)	See Division 400	See Division 400
401577	Paver-Laid Ultrathin Hot-Mix	yd ² (m ²)	See Division 400	See Division 400
401636	Cold Recycled Bituminous Pavement	yd ² -in (m ² -25mm)	minimum 1 / Source / Contract	T27, Certification of Recycling Agents, Engineer approval on Additives
401637	Patterned Bituminous Concrete Pavement	yd ² (m ²)	See Division 400	See Division 400
401644	SuperPave, Type C Hot-Mix, 115 Gyration, PG 64-22	Ton (t)	See Division 400	See Division 400
401645	SuperPave, Type C Hot-Mix, 160 Gyration, PG 64-22	Ton (t)	See Division 400	See Division 400
401646	SuperPave, Type C Hot-Mix, 205 Gyration, PG 64-22	Ton (t)	See Division 400	See Division 400

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401647	SuperPave, Type B Hot-Mix, 115 Gyrations, PG 64-22	Ton (t)	See Division 400	See Division 400
401648	SuperPave, Type B Hot-Mix, 160 Gyrations, PG 64-22	Ton (t)	See Division 400	See Division 400
401649	SuperPave, Type B Hot-Mix, 205 Gyrations, PG 64-22	Ton (t)	See Division 400	See Division 400
401650	SuperPave, Type C Hot-Mix, 115 Gyrations, PG 70-22	Ton (t)	See Division 400	See Division 400
401651	SuperPave, Type C Hot-Mix, 160 Gyrations, PG 70-22	Ton (t)	See Division 400	See Division 400
401652	SuperPave, Type C Hot-Mix, 205 Gyrations, PG 70-22	Ton (t)	See Division 400	See Division 400
401653	SuperPave, Type B Hot-Mix, 115 Gyrations, PG 70-22	Ton (t)	See Division 400	See Division 400
401654	SuperPave, Type B Hot-Mix, 160 Gyrations, PG 70-22	Ton (t)	See Division 400	See Division 400
401655	SuperPave, Type B Hot-Mix, 205 Gyrations, PG 70-22	Ton (t)	See Division 400	See Division 400
401656	SuperPave, Type C Hot-Mix, 115 Gyrations, PG 76-22	Ton (t)	See Division 400	See Division 400
401657	SuperPave, Type C Hot-Mix, 160 Gyrations, PG 76-22	Ton (t)	See Division 400	See Division 400
401658	SuperPave, Type C Hot-Mix, 205 Gyrations, PG 76-22	Ton (t)	See Division 400	See Division 400
401659	SuperPave, Type B Hot-Mix, 115 Gyrations, PG 76-22	Ton (t)	See Division 400	See Division 400
401660	SuperPave, Type B Hot-Mix, 160 Gyrations, PG 76-22	Ton (t)	See Division 400	See Division 400
401661	SuperPave, Type B Hot-Mix, 205 Gyrations, PG 76-22	Ton (t)	See Division 400	See Division 400
401662	SuperPave, Bituminous Concrete Base Course, 115 Gyrations, PG 64-22	Ton (t)	See Division 400	See Division 400
401663	SuperPave, Bituminous Concrete Base Course, 160 Gyrations, PG 64-22	Ton (t)	See Division 400	See Division 400

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401664	SuperPave, Bituminous Concrete Base Course, 205 Gyrations, PG 64-22	Ton (t)	See Division 400	See Division 400
401665	SuperPave, Type C Hot-Mix, 160 Gyrations, PG 64-22, Patching	Ton (t)	See Division 400	See Division 400
401666	SuperPave, Type B Hot-Mix, 160 Gyrations, PG 64-22, Patching	Ton (t)	See Division 400	See Division 400
401667	SuperPave, Bituminous Concrete Base Course, 160 Gyrations, PG 64-22, Patching	Ton (t)	See Division 400	See Division 400
401668	SuperPave, Type C Hot-Mix, 160 Gyrations, PG 64-22, Wedge	Ton (t)	See Division 400	See Division 400
401669	SuperPave, Type B Hot-Mix, 160 Gyrations, PG 64-22, Wedge	Ton (t)	See Division 400	See Division 400
401671	SuperPave, Type C Hot-Mix, 160 Gyrations, PG 64-22, 1 1/4" -2" (30mm-50mm) Thick, 0-1000 Tons	Ton (t)	See Division 400	See Division 400
401672	SuperPave, Type C Hot-Mix, 160 Gyrations, PG 64-22, 1 1/4" -2" (30mm-50mm) Thick, 1001+ Tons	Ton (t)	See Division 400	See Division 400
401673	SuperPave, Type C Hot-Mix, 160 Gyrations, PG 64-22, 2 1/4" (60mm) Thick, (2 Lifts) 0-1000 Tons	Ton (t)	See Division 400	See Division 400
401674	SuperPave, Type C Hot-Mix, 160 Gyrations, PG 64-22, 2 1/4" (60mm) Thick, (2 Lifts) 1001+ Tons	Ton (t)	See Division 400	See Division 400
401675	SuperPave, Type B Hot-Mix, 160 Gyrations, PG 64-22, 0-1000 Tons	Ton (t)	See Division 400	See Division 400
401676	SuperPave, Type B Hot-Mix, 160 Gyrations, PG 64-22, 1001+ Tons	Ton (t)	See Division 400	See Division 400
401677	SuperPave, Bituminous Concrete Base Course, 160 Gyrations, PG 64-22, 0-1000 Tons	Ton (t)	See Division 400	See Division 400
401678	SuperPave, Bituminous Concrete Base Course, 160 Gyrations, PG 64-22, 1001+ Tons	Ton (t)	See Division 400	See Division 400

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ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
401679	SuperPave, Type C Hot-Mix, 205 Gyration, PG 76-22, 1 1/4" -2" (30mm-50mm) Thick, 0-1000 Tons	Ton (t)	See Division 400	See Division 400
401680	SuperPave, Type C Hot-Mix, 205 Gyration, PG 76-22, 1 1/4" -2" (30mm-50mm) Thick, 1001+ Tons	Ton (t)	See Division 400	See Division 400
401681	SuperPave, Type C Hot-Mix, 205 Gyration, PG 76-22, 2 1/4" (60mm) Thick, (2 Lifts) 0-1000 Tons	Ton (t)	See Division 400	See Division 400
401682	SuperPave, Type C Hot-Mix, 205 Gyration, PG 76-22, 2 1/4" (60mm) Thick, (2 Lifts) 1001+ Tons	Ton (t)	See Division 400	See Division 400
401683	SuperPave, Type B Hot-Mix, 205 Gyration, PG 76-22, 0-1000 Tons	Ton (t)	See Division 400	See Division 400
401684	SuperPave, Type B Hot-Mix, 205 Gyration, PG 76-22, 1001+ Tons	Ton (t)	See Division 400	See Division 400
401685	SuperPave, Bituminous Concrete Base Course, 205 Gyration, PG 64-22, 0-1000 Tons	Ton (t)	See Division 400	See Division 400
401686	SuperPave, Bituminous Concrete Base Course, 205 Gyration, PG 64-22, 1001+ Tons	Ton (t)	See Division 400	See Division 400
401687	SuperPave, Type C Hot-Mix, 115 Gyration, PG 64-22, 1 1/4" -2" (30mm-50mm) Thick, 0-1000 Tons	Ton (t)	See Division 400	See Division 400
401688	SuperPave, Type C Hot-Mix, 115 Gyration, PG 64-22, 1 1/4" -2" (30mm-50mm) Thick, 1001+ Tons	Ton (t)	See Division 400	See Division 400
401689	SuperPave, Type C Hot-Mix, 115 Gyration, PG 64-22, 2 1/4" (60mm) Thick, (2 Lifts) 0-1000 Tons	Ton (t)	See Division 400	See Division 400
401690	SuperPave, Type C Hot-Mix, 115 Gyration, PG 64-22, 2 1/4" (60mm) Thick, (2 Lifts) 1001+ Tons	Ton (t)	See Division 400	See Division 400

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
401691	SuperPave, Type B Hot-Mix, 115 Gyrations, PG 64-22, 0-1000 Tons	Ton (t)	See Division 400	See Division 400
401692	SuperPave, Type B Hot-Mix, 115 Gyrations, PG 64-22, 1001+ tons	Ton (t)	See Division 400	See Division 400
401693	SuperPave, Bituminous Concrete Base Course, 115 Gyrations, PG 64-22, 0-1000 Tons	Ton (t)	See Division 400	See Division 400
401694	SuperPave, Bituminous Concrete Base Course, 115 Gyrations, PG 64-22, 1001+ Tons	Ton (t)	See Division 400	See Division 400
402000	Hot-Mix Bituminous Concrete and / or Cold Laid Bituminous Concrete (TRM)	Ton (t)	See Division 400	See Division 400
403000	Plant Mix Open-Graded Wearing Surface	Ton (t)	See Division 400	See Division 400
403501	Plant Mix Open-Graded Wearing Surface, 1-1 1/4" (25mm-31mm) Thick, 0-50 Tons	Ton (t)	See Division 400	See Division 400
403502	Plant Mix Open-Graded Wearing Surface, 1- 1/4" (25mm-31mm) Thick, 51-200 Tons	Ton (t)	See Division 400	See Division 400
403503	Plant Mix Open-Graded Wearing Surface, 1- 1/4" (25mm-31mm) Thick, 201-500 Tons	Ton (t)	See Division 400	See Division 400
403504	Plant Mix Open-Graded Wearing Surface, 1- 1/4" (25mm-31mm) Thick, 501-1000 Tons	Ton (t)	See Division 400	See Division 400
403508	Plant Mix Open-Graded Wearing Surface, 1- 1/4" (25mm-31mm) Thick, 1000+ Tons	Ton (t)	See Division 400	See Division 400
403511	Polymer-Modified Emulsion Micro-Surfacing	Ton (t)	minimum 1 / Source / Contract	Aggregated Tested by AASHTO T27, Fine Aggregate Tested by AASHTO T176, Certification of Mineral Filler to AASHTO M17, Bituminous Material Tested by AASHTO T59 and AASHTO T53, Contractor Tests Mixture to Certify in Accordance with TB100, TB102, TB113, TB114, TB139, TB144, and TB147A

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
404001	Bituminous Surface Treatment, RS-1	gal (L)	minimum 1 / Source / Contract	Certified to M208, Tested by T59, T72, T49
404002	Bituminous Surface Treatment, RS-2	gal (L)	minimum 1 / Source / Contract	Certified to M208, Tested by T59, T72, T49
404003	Bituminous Surface Treatment, CRS-1	gal (L)	minimum 1 / Source / Contract	Certified to M208, Tested by T59, T72, T49
404004	Bituminous Surface Treatment, CRS-2	gal (L)	minimum 1 / Source / Contract	Certified to M208, Tested by T59, T72, T49
404005	Coarse Aggregate	Ton (t)	minimum 1 / Source / Contract	See Delaware Stone Requirements: 302500-302509
405000	Retreatment & Seal Coats	gal (L)	minimum 1 / Source / Contract	M208, T59, T72, T49
406505	Crack Sealing	gal (L)	minimum 1 / Source / Contract	Certified to meet M282 and M301
501001	Portland Cement Concrete Pavement, 8" (200mm)	yd ² (m ²)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual
501002	Portland Cement Concrete Pavement, 9" (225mm)	yd ² (m ²)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual
501004	Portland Cement Concrete Pavement, 10" (250mm)	yd ² (m ²)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual
501005	Portland Cement Concrete Pavement, 11" (275mm)	yd ² (m ²)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual
501006	Portland Cement Concrete Pavement, 12" (300mm)	yd ² (m ²)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual
501007	Portland Cement Concrete Shoulder, 8" (200mm) AVG.	yd ² (m ²)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual
501008	Portland Cement Concrete Shoulder, 8 1/2" (213mm) AVG.	yd ² (m ²)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual
501009	Portland Cement Concrete Shoulder, 10" (250mm) AVG.	yd ² (m ²)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual
501010	Portland Cement Concrete Shoulder, 9" (225mm) AVG.	yd ² (m ²)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual
501011	Portland Cement Concrete Shoulder, 8" (200mm) AVG.	yd ² (m ²)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual
501012	Portland Cement Concrete Pavement, 14" (350mm) AVG.	yd ² (m ²)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual
501512	Portland Cement Concrete Pavement, 12" (300mm), Early Strength	yd ² (m ²)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual
501513	Portland Cement Concrete Pavement, 14" (350mm), Early Strength	yd ² (m ²)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual
501520	Portland Cement Concrete Pavement, Colored	yd ³ (m ³)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
501521	Lithium Treatment for Alkali-Silica Reactivity	ft ² (m ²)	minimum 1 / Source / Contract	Material Certification
501522	Furnishing Thin Bonded P.C. Concrete Overlay	yd ³ (m ³)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual
501524	Furnishing Ultra-Thin P.C. Concrete Overlay	yd ³ (m ³)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual
501526	Patterned Portland Cement Concrete Pavement, 8" (200mm)	yd ² (m ²)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual
501527	Patterned Portland Cement Concrete Pavement, 9" (225mm)	yd ² (m ²)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual
503001	Patching P.C.C. Pavement, 6' to 20' (1.8m to 6m), Type A	yd ² (m ²)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual
503002	Patching P.C.C. Pavement Greater than 20' to 100' (6m to 30m), Type B	yd ² (m ²)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual
503005	Deformed Bars	Each	minimum 1 / Source/Contract	Certification to M 31, Grade 40 or 60
503006	Dowel Bars	Each	minimum 1 / Source/Contract	Certification to M 31, Grade 40 or 60
503007	Deformed Bars, 36" (900mm)	Each	minimum 1 / Source/Contract	Certification to M 31, Grade 40 or 60
503008	P.C.C. Patching, Early Strength	yd ² (m ²)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual
503503	Patching Concrete	yd ² -in (m ² -25mm)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual
503507	P.C.C. Patching, (Continuously Reinforced)	yd ² (m ²)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual, Certification of Reinforcement to M 31, Grade 40 or 60
503508	Joint Waterproofing Membrane, 4" (100mm)	ft (m)	minimum 1 / Source / Contract	Certification to M 301 or M282 or M 220
503509	Joint Waterproofing Membrane, 6" (150mm)	ft (m)	minimum 1 / Source / Contract	Certification to M 301 or M282 or M 220
503510	Joint Waterproofing Membrane, 8" (200mm)	ft (m)	minimum 1 / Source / Contract	Certification to M 301 or M282 or M 220
503517	P.C.C. Patching, 2" (50mm) Depth	yd ² (m ²)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual
503518	P.C.C. Patching, 3" (75mm) Depth	yd ² (m ²)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
503519	P.C.C. Patching, 4" (100mm) Depth	yd ² (m ²)	See Division 500	T22, T23 or ASTM C39-86, also Division 500 Requirements in the Materials Manual
601001	Timber Structures	Each	1 Sample / Production Day	Visual Inspection: M168, ANSI / AITC A190.1, Ps56-73, M133 AWWA Standard C1, AWWA Standard P5 CCA (Type A, B, or C)
601002	Timber Structures (Treated)	Each	1 Sample / Production Day	Visual Inspection: M168, ANSI / AITC A190.1, Ps56-73, M133 AWWA Standard C1, AWWA Standard P5 CCA (Type A, B, or C)
601003	Timber Structures (Glue-Laminated)	Each	1 Sample / Production Day	Visual Inspection: M168, ANSI / AITC A190.1, Ps56-73, M133 AWWA Standard C1, AWWA Standard P5 CCA (Type A, B, or C)
601004	Timber Structures (Glue-Laminated Timber Deck)	Each	1 Sample / Production Day	Visual Inspection: M168, ANSI / AITC A190.1, Ps56-73, M133 AWWA Standard C1, AWWA Standard P5 CCA (Type A, B, or C)
601508	Timber Bridge Ties	N / A	minimum 1 / Source / Contract	Certification that Wood, Tie Plugs, and Spikes are Approved Based on AREA Manual Specifications, Visual Inspection of Wood
601515	Railroad Grade Crossing Rubber Panels	ft (m)	minimum 1 / Source / Contract	Certification: Technical Data Sheets to Indicate that Materials Meet Current Domestic Railroad Standards
601518	Elastomeric Railroad Crossing	ft (m)	minimum 1 / Source / Contract	Certification: Technical Data Sheets Including Results from: ASTM D2240, D412, D624, D572, D395, D2131, D471, D1171, D257, D3182, D2084
602001	Portland Cement Concrete Masonry, Class A	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
602002	Portland Cement Concrete Masonry, Class B	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
602003	Portland Cement Concrete Masonry, Abutment Footing, Class A	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
602004	Portland Cement Concrete Masonry, Abutment Footing, Class B	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
602005	Portland Cement Concrete Masonry, Abutment Above Footing, Class B	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
602006	Portland Cement Concrete Masonry, Pier Footing, Class B	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
602007	Portland Cement Concrete Masonry, Pier above Footing, Class A	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
602008	Portland Cement Concrete Masonry, Pier above Footing, Class B	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
602009	Portland Cement Concrete Masonry, Approach Slab, Class A	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
602010	Portland Cement Concrete Masonry, Approach Slab, Class B	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
602011	Portland Cement Concrete Masonry, Substructure, Class A	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
602012	Portland Cement Concrete Masonry, Substructure, Class B	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
602013	Portland Cement Concrete Masonry, Superstructure, Class D	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
602014	Portland Cement Concrete Masonry, Approach Slab, Class D	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
602015	Portland Cement Concrete Masonry, Abutment above Footing, Class A	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
602016	Portland Cement Concrete Masonry, Class C	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
602017	Portland Cement Concrete Masonry, Parapet, Class A	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
602018	Portland Cement Concrete Masonry, Class D	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
602506	Precast Concrete Culvert	L.S. (L.S.)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
602507	Concrete Encasement	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
602508	Crossover Culvert Extension	Each	See Division 600	Certification of Reinforcement, Concrete shall conform to Class B (See Division 600)
602512	Reinforced Concrete Wall	ft (m)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
602513	P.C.C. Masonry Dowel Bars	Each	minimum 1 / Source / Contract	Certification: M254, M255
602516	Grouting	ft ³ (m ³)	3 / 100 (3 / 3)	Certification: Contractor performs ASTM C31, C109
602520	Epoxy Protective Coating for Concrete	yd ² (m ²)	minimum 1 / Source / Contract	Certification: Technical Data Sheets, Epoxy tested by ASTM D445, Ignition, ASTM D2240, Federal Std. No. 595A
602522	Precast Concrete Culvert	ft (m)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
602537	Retaining Wall	ft ² (m ²)	minimum 1 / Source / Contract	Must Meet Requirements of "Doublewall Retaining Wall" (Doublewall Corporation), Reinforced Earth Wall (Reinforced Earth Company), Retained Earth TM (VSL Corporation Easter Division), or an approved equal
602542	Precast Concrete Retaining Wall	ft ² (m ²)	See Division 600	Visual Inspection, T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual, Certification of Steel
602543	Furnishing Latex Concrete	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual, Certification of Latex
602545	P.C.C. Bridge Parapet	ft (m)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual, Reinforcement Certified in accordance with AASHTO M31, Grade 60, Epoxy Coating Certified in accordance with M284
602549	Form Liner	ft ² (m ²)	minimum 1 / Source / Contract	Certification that Material Will Result in Finish Detail of Plans, Submission of Material Samples and Approval
602552	P.C.C. Masonry, Lightweight	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual, Course Aggregates Shall Conform to M 195
602556	Precast P.C.C. Arch	L.S. (L.S.)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual,
602559	P.C.C. Masonry, Substructure, 5500 psi (38Mpa)	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual,
602560	P.C.C. Masonry, Precast Superstructure, 5500 psi (38 Mpa)	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual,
602561	P.C.C. CIP Closures, 5500 psi (38 Mpa)	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual,
602562	P.C.C. Masonry CIP Median Slabs, 5500 psi (38 Mpa)	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual,
602563	P.C.C. Masonry, Pylon, 6000 psi (41 Mpa)	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual,
602564	P.C.C. Masonry, Precast Superstructure, 6000 psi (41 Mpa)	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual,
602565	P.C.C. Masonry, CIP Closures, 6000 psi (41 Mpa)	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual,
602566	Latex Modified Concrete Overlay (Used Items 602543 & 602544)	yd ² (m ²)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual, Certification of Latex to be a Styrene Butadiene polymer with Nonionic Surfactants as Stabilizers

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
602567	P.C.C. masonry, Pylon, 5500 psi (38 Mpa)	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual,
602568	Precast Deck Panels	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual,
602569	Cast-In-Place Deck Closures	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual,
602583	Furnishing Micro-Silica Modified Concrete	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual, Certification of Micro-Silica using Technical Data for Specified Chemical and Physical Requirements, ASTM C618 also
602588	Anti-Graffiti Coating	yd ² (m ²)	minimum 1 / Source / Contract	Certification that Material is Rulcoat (Rulon Co.), Aquathane (Tamms), Ply-Tile, Ply- Thane (MAB Paints & Coatings), FX-441 (Fox Industries) or Approved Equal
602589	Furnishing Concrete Overlay - With Pozzolan	yd ³ (m ³)	See Division 600	T22, T23, or ASTM C39-86; Cement must be non-air entrained, See Division 600 for this and other concrete requirements; Ground Granulated Blast Furnace Slag conform to ASTM C 989, Grade 120;
602591	Furnishing Concrete with Corrosion Inhibitor	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual, Air Entrainment Conforms M 154; Chemical Admixtures shall conform to M 194; Corrosion Inhibitor is Certified
602593	Furnishing Concrete Overlay - Fiber Reinforced	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual, Certification of Micro-Silica using Technical Data, Air Entrainment conforms to M 154; Chemical Admixtures conform to M 194; Metallic Reinforced Fibers must conform to ASTM A 820
602596	Portland Cement Concrete Masonry, (Colored)	yd ³ (m ³)	See Division 600	T22, T23, or ASTM C39-86; Color Conditioning admixture must have less than 0.1 % Chloride Ions
602598	Precast Concrete Lagging	ft ² (m ²)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
602602	Polymer Concrete	ft ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, T198, T97, Dupont Shrinkage Gauge, also Division 600 Requirements in the Materials Manual, Certification of Polymer Mortar and Primer using Technical Data
602603	High Early Strength Concrete	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual, Joint Seal checked with Plans
602604	Precast Concrete Parapet	ft (m)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
602605	Precast Concrete Deck Slab	yd ² (m ²)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
602606	Furnishing and Overlaying Micro-Silica Modified Concrete	yd ² (m ²)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual, Certification of Micro-Silica using Technical Data
602607	Furnishing and Overlaying Latex Concrete	yd ² (m ²)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual, Certification of Latex
602609	High Performance Class A, B & D Concrete	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
602610	High Performance Class B Concrete	yd ³ (m ³)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
602614	Underwater Revetment mattress	ft ² (m ²)	See Division 600	Certification of Fabric Forming Materials, T22, T23, or ASTM C39-86, also Division 600 Requirements
602615	Modular Block Retaining Wall	ft ² (m ²)	minimum 1 / Source / Contract	Must be "Allan Block Retaining Wall Systems" Style AB Three, by Fizzano Bros., Inc., "Keystone Retaining Wall Systems", by Anchor Concrete Products, Inc., or an Approved Equal
602617	Landscaped Gravity Wall	ft ² (m ²)	minimum 1 / Source / Contract	Certification of Drainage Fabric by ASTM D 4632, ASTM D 3786, ASTM D 4833, ASTM D 4533, and ASTM D 4491, Stone tested by T11, T19, T27, T85, T96, Perforated Pipe must meet M36 or M 252, Topsoil visually Inspected, Ivy is Certified
602618	Ornamental Precast Concrete	L.S. (L.S.)	See Division 600	T22, T23, or ASTM C39-86;
602619	Reinforced Concrete Wall	ft ² (m ²)	See Division 600	Excavation and Borrow conforms to T88, T89, T90, T99 (Method C), PCC Masonry- T22, T23 or C39-86, also Division 600 Requirements, Bar Reinforcement - Plant Inspection; M31, M284
602621	Moisture Cured Paint for Concrete	L.S. (L.S.)	minimum 1 / Source / Contract	Certification, must meet ASTM D5532-94 Standard, Type 1
602623	Precast Modular Retaining Wall	ft ² (m ²)	minimum 1 / Source / Contract	Portland Cement must Conform to ASTM C-150, Blended Cements to ASTM C-595, Pozzolans to C-618, Blast Furnace Slag Cement to C-989, Lightweight Aggregate to C-331, Normal Weight Aggregate to C-33 (T11, T19, T27, T85, T96), Concrete Components: T22, T23, or ASTM C39-86

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
602625	Post and Plank Retaining Wall	ft ² (m ²)	minimum 1 / Source / Contract See Division 600	Steel Certified by / to Plant Inspection; M102, M105, M107, M108, M111, M160, M163, M164, M169, M183, M192, M222, M223, M232, M243, M244, M253, M270, M298; T244; ASTM A47, ASTM B69 (Type II), ASTM A109, ASTM A240, ASTM A536, ASTM A588, Portland Cement Concrete Subject to Division 600 Testing, Bar Reinforcement Certified by / to Plant Inspection; M31, M284, Aggregate Tested T11, T19, T27, T85, T96, Perforated Pipe Underdrains Certification to M294-90 for pipe and Certification of Filter Fabric
602627	Precast Wall Cap	ft (m)	minimum 1 / Source / Contract See Division 600	Portland Cement Concrete Tested in Accordance with Division 600, Steel Pins Certified to Meet Size Specifications, Cast Stone Cap Construction Certified to CSI specification #04435-90
603000	Bar Reinforcement	lb (kg)	minimum 1 / Source / Contract	Certification / Plant Inspection
603501	Bar Reinforcement, Galvanized	lb (kg)	minimum 1 / Source / Contract	Certification / Plant Inspection
604000	Bar Reinforcement, Epoxy Coated	lb (kg)	minimum 1 / Source / Contract	Certification / Plant Inspection
604500	Epoxy Coated Welded Wire Fabric Reinforcement	lb (kg)	minimum 1 / Source / Contract	Certification to AASHTO M221, Epoxy Coating to AASHTO M284
605001	Steel Structures	lb (kg)	minimum 1 / Source / Contract	Plant Inspection; M102, M105, M107, M108, M111, M160, M163, M164, M169, M183, M192, M222, M223, M232, M243, M244, M253, M270, M298; T244; ASTM A47, ASTM B69 (Type II), ASTM A109, ASTM A240, ASTM A536, ASTM A588
605002	Steel Structures	L.S. (L.S.)	minimum 1 / Source / Contract	Plant Inspection; M102, M105, M107, M108, M111, M160, M163, M164, M169, M183, M192, M222, M223, M232, M243, M244, M253, M270, M298; T244; ASTM A47, ASTM B69 (Type II), ASTM A109, ASTM A240, ASTM A536, ASTM A588
605003	Steel Structures (Unpainted)	L.S. (L.S.)	minimum 1 / Source / Contract	Plant Inspection; M102, M105, M107, M108, M111, M160, M163, M164, M169, M183, M192, M222, M223, M232, M243, M244, M253, M270, M298; T244; ASTM A47, ASTM B69 (Type II), ASTM A109, ASTM A240, ASTM A536, ASTM A588
605004	Painting, Alkyd System	L.S. (L.S.)	minimum 1 / Source / Contract	Plant Inspection; Certification; M300
605005	Painting, Moisture-Cured Urethane System	L.S. (L.S.)	minimum 1 / Source / Contract	Certification that All Coats are from the Same Manufacturer, and Are Micaceous Iron Oxide Type Paints

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
605510	Prefabricated Expansion Joint System, 2" (50mm)	ft (m)	minimum 1 / Source / Contract	Steel members shall conform to ASTM A36 or ASTM A242 or ASTM A588, Screws ASTM A276, Type 304, Strip Seal conforms to ASTM D 2628, Elastomeric Material must meet specifications tested using D2240, D412, D395, D573, D1630, D1149, D471, D2240
605511	Prefabricated Expansion Joint System, 3" (75mm)	ft (m)	minimum 1 / Source / Contract	Steel members shall conform to ASTM A36 or ASTM A242 or ASTM A588, Screws ASTM A276, Type 304, Strip Seal conforms to ASTM D 2628, Elastomeric Material must meet specifications tested using D2240, D412, D395, D573, D1630, D1149, D471, D2240
605512	Prefabricated Expansion Joint System, 4" (100mm)	ft (m)	minimum 1 / Source / Contract	Steel members shall conform to ASTM A36 or ASTM A242 or ASTM A588, Screws ASTM A276, Type 304, Strip Seal conforms to ASTM D 2628, Elastomeric Material must meet specifications tested using D2240, D412, D395, D573, D1630, D1149, D471, D2240
605513	Prefabricated Expansion Joint System, 5" (125mm)	ft (m)	minimum 1 / Source / Contract	Steel members shall conform to ASTM A36 or ASTM A242 or ASTM A588, Screws ASTM A276, Type 304, Strip Seal conforms to ASTM D 2628, Elastomeric Material must meet specifications tested using D2240, D412, D395, D573, D1630, D1149, D471, D2240
605515	Organic Zinc Vinyl Topcoat Paint System	L.S. (L.S.)	minimum 1 / Source / Contract	Prime Coat must Conform to SSPC- Paint 20 (Type II), Tie Coat, SSPC- Paint 27, Finish Coat, High build vinyl, Properties of Mixed Paint Testing, ASTM D1475-60, KREBS-Stormer, ASTM D1644, ASTM D1640, ASTM D93, Federal Standard No. 595
605517	Vinyl Paint System	L.S. (L.S.)	minimum 1 / Source / Contract	Certification: Wash Primer, SSPC-Paint 27, Primer, SSPC-Paint 9, Intermediate Coat, SSPC- Paint 9, Finish Coat, SSPC- Paint 9
605522	Urethane Paint System, Existing Steel	L.S. (L.S.)	minimum 1 / Source / Contract	Certificatied to be an Epoxy Organic Zinc- Rich Primer, High Build Epoxy, and a Urethane Protective Coat
605573	Steel Plates, 4' x 6' x 3/4" (1.2m x 1.8m x 19mm)	Each	minimum 1 / Source / Contract	Certification of Material to Meet ASTM A-36
605574	Permanent Protective Barrier, 3' 8" high (1.1 m)	ft (m)	minimum 1 / Source / Contract	Chainlink Fabric must Conform to M181, Posts, rails, truss rods, and expansion couplings must be compatible with chainlink, Base Plates and hardware galvanization must be in accordance with ASTM A123 and ASTM A153

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
605575	Permanent Protective Barrier, 6' high (1.8m)	ft (m)	minimum 1 / Source / Contract	Chainlink Fabric must Conform to M181, Posts, rails, truss rods, and expansion couplings must be compatible with chainlink, Base Plates and hardware galvanization must be in accordance with ASTM A123 and ASTM A153
605579	Pedestrian Steel Bridge	L.S. (L.S.)	minimum 1 / Source / Contract See Division 600	Steel Certified by and to meet Plant Inspection; M102, M105, M107, M108, M111, M160, M163, M164, M169, M183, M192, M222, M223, M232, M243, M244, M253, M270, M298; T244; ASTM A47, ASTM B69 (Type II), ASTM A109, ASTM A240, ASTM A536, ASTM A588, Portland Cement Concrete Tested in Accordance to Division 600 Requirements
605580	Fusion Bonded Polyester Coating	None	minimum 1 / Source / Contract	Components should be blasted in accordance to SSPC-SP-10, Thickness measured in Accordance to ASTM G12, Certification of Material to ASTM D1044, D-3359, D-523, D-3363, D-2794, B-117, D-1654, G-12, G-23, D-2247
605581	Elastomeric Bridge Bearing Pad	Each	minimum 1 / Source / Contract	Must Conform to AASHTO Standard Specifications for Highway Bridges, Section 18, Division II
605583	Shear Connector Assembly	Each	minimum 1 / Source / Contract	Must conform to M169, ASTM A 109, Tensile properties AASHTO T 244
605589	Expansion Joint	L.S. (L.S.)	minimum 1 / Source / Contract	Certification of Steel to AASHTO M 270M, Grade 250, Galvinazation to AASHTO M111, Finger Plates Certified on AASHTO T243 Data, Stainless Steel Hardware Certified to ASTM A193, ASTM A194, ASTM A240, Elastomer Certified to AASHTO M251, Concrete Must Meet Division 600 Requirements
605596	Flap Gates	L.S. (L.S.)	minimum 1 / Source / Contract	Flap Gate must meet ASTM A 126-B requirements, paint must meet SSPC -16, Seating faces must meet ASTM B21, Alloy 482, Hinge arms must meet ASTM B 584-CA865, Frame Seat must meet ASTM B-21-CA482, Thimbles must meet ASTM A 126-B, Bolts, nuts, and washers must conform to ASTM A304
605597	Sluice Gates	Each	minimum 1 / Source / Contract	All cast Iron shall conform to ASTM A126, Class B, Seating Faces shall conform to ASTM B21, Allow 482, Structures for gate assembly must conform to ASTM A123, Gate assembly fasteners shall conform to ASTM A307, Stem shall conform to ASTM A108, Grade 1045

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
605619	Moisture Cured Urethane Paint System (Overcoating)	L.S. (L.S.)	minimum 1 / Source / Contract	Certification that it must conform to ASTM D5532-94 standard, Type I
605623	Joint Repair (Compression Seal), 1 3/4" (44mm)	ft (m)	minimum 1 / Source / Contract	Certification of Material by Technical Data Including ASTM D2628, D2240 (Modified) D412, D573, D1360, D1149, D471, D2240
605628	Steel Open Grid Bridge Deck	L.S. (L.S.)	minimum 1 / Source / Contract See Division 600	Steel Certified by and to meet Plant Inspection; M102, M105, M107, M108, M111, M160, M163, M164, M169, M183, M192, M222, M223, M232, M243, M244, M253, M270, M298; T244; ASTM A47, ASTM B69 (Type II), ASTM A109, ASTM A240, ASTM A536, ASTM A588, Portland Cement Concrete Tested in Accordance to Division 600 Requirements
605639	TFE-Stainless Steel Structural Bearings	Each	minimum 1 / Source / Contract	Certification: TFE tested by ASTM D2240, D 1457, D 621, D 792, Steel Laminates conform to AASHTO M270, Grade 36, Steel Backing Plate must Meet ASTM A240, Type 304, Stainless Steel must meet requirements of ASTM A240, M270
605646	Permanent Protective Barrier, 5' high (1.5m)	ft (m)	minimum 1 / Source / Contract	Chainlink Fabric must Conform to M181, Posts, rails, truss rods, and expansion couplings must be compatible with chainlink, Base Plates and hardware galvanization must be in accordance with ASTM A123 and ASTM A153
605647	Prefabricated Expansion Joint System, 1 1/2" (38mm)	ft (m)	minimum 1 / Source / Contract	Steel members shall conform to ASTM A36 or ASTM A242 or ASTM A588, Screws ASTM A276, Type 304, Strip Seal conforms to ASTM D 2628, Elastomeric Material must meet specifications tested using D2240, D412, D395, D573, D1630, D1149, D471, D2240
605652	Inflatable Expansion Joint Seal, 1" (25mm)	ft (m)	minimum 1 / Source / Contract	Certification: Technical Data Sheets Containing Results From ASTM D2628, NASA M88441, ASTM OIL3, ASTM D1149, IPT # 674.303, AASHTO HS-2
605653	Closed-Cell Joint Seal	ft (m)	minimum 1 / Source / Contract	Certification to ASTM D1056-91, Type 2, Class-B, Grade 2. T-42-84 Modified
605654	Elastomeric Joint Seal	ft (m)	minimum 1 / Source / Contract	Certification: Closure Plate must meet ASTM A709 Grade 36, Binder must meet ASTM D3405, D1190, and M301; tested for physical properties using ASTM E28 D3407
605657	Strip Seal Expansion Joint, 1 1/2" (38mm)	ft (m)	minimum 1 / Source / Contract	Certification: Technical Data Sheets Containing Results from ASTM D2240 (Modified), D412, D395 (Method B), D573, D1630, D1149, D471

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
605658	Strip Seal Expansion Joint, 2" (50mm)	ft (m)	minimum 1 / Source / Contract	Certification: Technical Data Sheets Containing Results from ASTM D2240 (Modified), D412, D395 (Method B), D573, D1630, D1149, D471
605659	Strip Seal Expansion Joint, 3" (75mm)	ft (m)	minimum 1 / Source / Contract	Certification: Technical Data Sheets Containing Results from ASTM D2240 (Modified), D412, D395 (Method B), D573, D1630, D1149, D471
605660	Strip Seal Expansion Joint, 4" (100mm)	ft (m)	minimum 1 / Source / Contract	Certification: Technical Data Sheets Containing Results from ASTM D2240 (Modified), D412, D395 (Method B), D573, D1630, D1149, D471
605661	Strip Seal Expansion Joint, 5" (125mm)	ft (m)	minimum 1 / Source / Contract	Certification: Technical Data Sheets Containing Results from ASTM D2240 (Modified), D412, D395 (Method B), D573, D1630, D1149, D471
605664	Steel Sign Structure	L.S. (L.S.)	minimum 1 / Source / Contract	Certification of Material to conform to: Pipes ASTM A53, Type E or S, Grade B, Structural Bars, Plates, and Shapes, ASTM A36, Anchor Bolts, ASTM A36, Plate washers for Anchor Bolts, ASTM A36, Anchor Bolt Nuts, ASTM A307, U-Bolts - ASTM A276, Type 304, U-Bolt Nuts, ASTM A276, Type 303, High Strength Bolts, Nuts and Washers, ASTM A325 Reinforcing Steel, ASTM A615, Grade 60, epoxy coated, Hinges ASTM A276 Type 304, Certification of Preformed Fabric Bearing Pad, Concrete T22, T23, or ASTM C39-86, Also Division 600 Requirements
605667	Structure Mounted Bracket	L.S. (L.S.)	minimum 1 / Source / Contract	Certification of Material to conform to: Structural Steel ASTM A36, Bolts, Nuts, and Washers, ASTM A325, U-bolts, Nuts, and Washers, Stainless Steel
605668	Inflatable Expansion Joint Seal, 2" (50mm)	ft (m)	minimum 1 / Source / Contract	Certification: Technical Data Sheets Containing Results From ASTM D2628, NASA M88441, ASTM OIL3, ASTM D1149, IPT # 674.303, AASHTO HS-2
605670	Bridge Joint Drain Trough	L.S. (L.S.)	minimum 1 / Source / Contract	Certification of Stainless Steel Plate to ASTM A666, Bolts and Studs to ASTM F593, Washers and Locknuts to ASTM F594, Rubberized Materials Using Test Results from ASTM D2240, D412, D573, D624, D1149, D471
605676	Inflatable Expansion Joint Seal, 3" (75mm)	ft (m)	minimum 1 / Source / Contract	Certification: Technical Data Sheets Containing Results From ASTM D2628, NASA M88441, ASTM OIL3, ASTM D1149, IPT # 674.303, AASHTO HS-2

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
606001	Metal Bridge Railing, Steel	ft (m)	minimum 1 / Source / Contract	Hand rail, resin anchors, nuts, washer, and other fittings must conform to ASTM A307, M 164, M 253, M 164, ASTM A563, Railing pipe and post shall conform to ASTM A53, Galvinization shall conform to A123 and A153
606002	Metal Bridge Railing, Aluminum	ft (m)	minimum 1 / Source / Contract	Hand rail, resin anchors, nuts, washer, and other fittings must conform to ASTM A307, M 164, M 253, M 164, ASTM A563, Aluminum elements shall conform to ASTM B221, Alloy 60601-T6
606503	Steel Hand Railing	ft (m)	minimum 1 / Source / Contract	Steel Railing Pipe shall conform to ASTM A53, Galvinization shall conform to A123 and A153, Concrete shall conform to Class B, Division 600 requirements, and T22, T23, or ASTM C39-86
606504	Aluminum Handrail	ft (m)	minimum 1 / Source / Contract	PVC Pipe must conform to ASTM D3033, Type PSP or D3034 type PSM, Handrail shall be Schedule 40 aluminum pipe, ASTM C1107 for Grout
608000	Coarse Aggregate for Foundation Stabilization and Subfoundation Backfill	Ton (t)	1 / 550 (1 / 500)	M80, T19
609011	Timber Sheet Piles (Treated)	MFBM (m ³)	Each	Visual Inspection for Surface Defects, Certification that timber is a Species that Will Withstand Driving Without Injury
610001	Stone Masonry	Source	1 / Source/Contract	M85, M6, T26, ASTM C206, Concrete must conform to Division 600 and T22, T23, or ASTM C39
610504	Stone and Concrete Masonry	Source	1 / Source/Contract	M85, M6, T26, ASTM C206, Concrete must conform to Division 600 and T22, T23, or ASTM C39, Hollow Loadbearing CMU should be ASTM C 90, Grade N, Solid Loadbearing CMU shall be ASTM C 145, Grade N
611001	Brick Masonry	Source	1 / Source/Contract	Certification of Portland Cement to AASHTO M85, Fine Aggregate to AASHTO M45, Tested by AASHTO T27, Water Tested by AASHTO T26, Certification of Hydrated Lime to ASTM C206, Type N, Brick Certified to Meet AASHTO M114
611501	Precast Concrete Panel	ft ² (m ²)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
611505	Concrete Unit Masonry	ft ² (m ²)	See Division 600	T22, T23 or ASTM C39-86, also Division 600 Requirements in the Materials Manual
612001	Reinforced Concrete Pipe, 12" (300mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
612002	Reinforced Concrete Pipe, 15" (375mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612003	Reinforced Concrete Pipe, 18" (450mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612004	Reinforced Concrete Pipe, 21" (525mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612005	Reinforced Concrete Pipe, 24" (600mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612006	Reinforced Concrete Pipe, 27" (675mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612007	Reinforced Concrete Pipe, 30" (750mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612008	Reinforced Concrete Pipe, 33" (825mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612009	Reinforced Concrete Pipe, 36" (900mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612010	Reinforced Concrete Pipe, 42" (1050mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612011	Reinforced Concrete Pipe, 48" (1200mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612012	Reinforced Concrete Pipe, 54" (1350mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612013	Reinforced Concrete Pipe, 60" (1500mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612014	Reinforced Concrete Pipe, 66" (1650mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612015	Reinforced Concrete Pipe, 72" (1800mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612016	Reinforced Concrete Pipe, 78" (1950mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612017	Reinforced Concrete Pipe, 84" (2100mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612018	Reinforced Concrete Pipe, 90" (2250mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
612019	Reinforced Concrete Pipe, 96" (2400mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612020	Reinforced Concrete Pipe, 12" (300mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612021	Reinforced Concrete Pipe, 15" (375mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612022	Reinforced Concrete Pipe, 18" (450mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612023	Reinforced Concrete Pipe, 24" (600mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612024	Reinforced Concrete Pipe, 27" (675mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612025	Reinforced Concrete Pipe, 30" (750mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612026	Reinforced Concrete Pipe, 30" (750mm), Class V	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612027	Reinforced Concrete Pipe, 42" (1050mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612028	Reinforced Concrete Pipe, 48" (1200mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612029	Reinforced Concrete Pipe, 54" (1350mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612030	Reinforced Concrete Pipe, 18" (450mm), Class V	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612031	Reinforced Concrete Pipe, 24" (600mm), Class V	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612032	Reinforced Concrete Pipe, 15" (375mm), Class V	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612033	Reinforced Concrete Pipe, 21" (525mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612034	Reinforced Concrete Pipe, 36" (900mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612035	Reinforced Concrete Pipe, 66" (1650mm), Class V	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
612036	Reinforced Concrete Pipe, 48" (1200mm), Class V	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612038	Reinforced Concrete Pipe, 60" (1500mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612039	Reinforced Concrete Pipe, 36" (900mm), Class V	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612041	Reinforced Concrete Pipe, 54" (1350mm), Class V	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612042	Reinforced Concrete Pipe, 102" (2550mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612043	Reinforced Concrete Pipe, 42" (1050mm), Class V	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612044	Reinforced Concrete Pipe, 66" (1650mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612045	Reinforced Concrete Pipe, 39" (975mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612046	Reinforced Concrete Pipe, 21" (525mm), Class V	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612047	Reinforced Concrete Pipe, 27" (675mm), Class V	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612048	Reinforced Concrete Pipe, 35" (825mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612200	Reinforced Concrete Elliptical Pipe, 14" x 23" (350 x 575 mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612201	Reinforced Concrete Elliptical Pipe, 19" x 30" (475 x 750 mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612202	Reinforced Concrete Elliptical Pipe, 24" x 38" (600 x 950 mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612203	Reinforced Concrete Elliptical Pipe, 34" x 53" (850 x 1325 mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612204	Reinforced Concrete Elliptical Pipe, 32" x 49" (800 x 1225 mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612205	Reinforced Concrete Elliptical Pipe, 19" x 30" (475 x 750 mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
612206	Reinforced Concrete Elliptical Pipe, 22" x 34" (550 x 850 mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612207	Reinforced Concrete Elliptical Pipe, 29" x 45" (725 x 1125 mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612208	Reinforced Concrete Elliptical Pipe, 43" x 68" (1075 x 1700 mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612209	Reinforced Concrete Elliptical Pipe, 27" x 42" (675 x 1050 mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612210	Reinforced Concrete Elliptical Pipe, 22" x 34" (550 x 850 mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612211	Reinforced Concrete Elliptical Pipe, 38" x 60" (950 x 1500 mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612212	Reinforced Concrete Arch Pipe, 11" x 18" (275mm x 450mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612213	Reinforced Concrete Elliptical Pipe, 27" x 42" (675 x 1050 mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612214	Reinforced Concrete Elliptical Pipe, 32" x 49" (800 x 1225 mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612215	Reinforced Concrete Elliptical Pipe, 38" x 60" (950 x 1500 mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612216	Reinforced Concrete Elliptical Pipe, 14" x 23" (350 x 575 mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612217	Reinforced Concrete Elliptical Pipe, 48" x 76" (1200 x 1900mm), Class III	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612218	Reinforced Concrete Elliptical Pipe, 34" x 53" (850 x 1325 mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612219	Reinforced Concrete Elliptical Pipe, 24" x 38" (600 x 950 mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612220	Reinforced Concrete Elliptical Pipe, 29" x 45" (725 x 1125 mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612221	Reinforced Concrete Elliptical Pipe, 48" x 76" (1200 x 1900 mm), Class IV	ft (m)	minimum 1 / Source / Contract	Certification: M170, ASTM C443; T88, T89, T90, T99 (Method C), T280, Section 4 or ASTM C497-98
612501	PVC Pipe, 4" (100mm)	ft (m)	minimum 1 / Source / Contract	Certification to meet ASTM D 3034
612502	PVC Pipe, 6" (150mm)	ft (m)	minimum 1 / Source / Contract	Certification to meet ASTM D 3034
612503	PVC Pipe, 8" (200mm)	ft (m)	minimum 1 / Source / Contract	Certification to meet ASTM D 3034

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
612504	PVC Pipe, 10" (250mm)	ft (m)	minimum 1 / Source / Contract	Certification to meet ASTM D 3034
612505	PVC Pipe, 12" (300mm)	ft (m)	minimum 1 / Source / Contract	Certification to meet ASTM D 3034
612506	PVC Pipe, 15" (375mm)	ft (m)	minimum 1 / Source / Contract	Certification to meet ASTM D 3034
612507	PVC Pipe, 18" (450mm)	ft (m)	minimum 1 / Source / Contract	Certification to meet ASTM D 3034
612510	Corrugated Polyethylene Pipe, Type C, 8" (200mm)	ft (m)	minimum 1 / Source / Contract	Certification: Shall conform to M252
612518	PVC Pipe, 21" (525mm)	ft (m)	minimum 1 / Source / Contract	Certification to meet ASTM D 3034
612519	Corrugated Polyethylene Pipe, Type C, 15" (375mm)	ft (m)	minimum 1 / Source / Contract	Certification: Shall conform to M252
612520	Corrugated Polyethylene Pipe, Type S, 15" (375mm)	ft (m)	minimum 1 / Source / Contract	Certification: Shall conform to M252
612521	Corrugated Polyethylene Pipe, Type C, 12" (300mm)	ft (m)	minimum 1 / Source / Contract	Certification: Shall conform to M252
612522	Corrugated Polyethylene Pipe, Type S, 12" (300mm)	ft (m)	minimum 1 / Source / Contract	Certification: Shall conform to M252
612523	Corrugated Polyethylene Pipe, Type S, 18" (450mm)	ft (m)	minimum 1 / Source / Contract	Certification: Shall conform to M252
612524	Corrugated Polyethylene Pipe, Type S, 24" (600mm)	ft (m)	minimum 1 / Source / Contract	Certification: Shall conform to M252
612525	Corrugated Polyethylene Pipe, Type S, 30" (750mm)	ft (m)	minimum 1 / Source / Contract	Certification: Shall conform to M252
612526	Corrugated Polyethylene Pipe, Type S, 36" (900mm)	ft (m)	minimum 1 / Source / Contract	Certification: Shall conform to M252
612527	Corrugated Polyethylene Pipe, Type C, 18" (450mm)	ft (m)	minimum 1 / Source / Contract	Certification: Shall conform to M252
612528	Corrugated Polyethylene Pipe, Type C, 24" (600mm)	ft (m)	minimum 1 / Source / Contract	Certification: Shall conform to M252
612530	Corrugated Polyethylene Pipe, Type S, 42" (1050mm)	ft (m)	minimum 1 / Source / Contract	Certification: Shall conform to M252
612531	Corrugated Polyethylene Pipe, Type S, 48" (1200mm)	ft (m)	minimum 1 / Source / Contract	Certification: Shall conform to M252
612533	Corrugated Polyethylene Pipe, Type S, 10" (250mm)	ft (m)	minimum 1 / Source / Contract	Certification: Shall conform to M252
612534	Corrugated Polyethylene Pipe, Type S, 8" (200mm)	ft (m)	minimum 1 / Source / Contract	Certification: Shall conform to M252

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
614001	Galvanized Corrugated Steel Pipe, 12" (300mm), 16 Gage (1.6mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614002	Galvanized Corrugated Steel Pipe, 15" (375mm), 16 Gage (1.6mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614003	Galvanized Corrugated Steel Pipe, 18" (450mm), 16 Gage (1.6mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614004	Galvanized Corrugated Steel Pipe, 21" (525mm), 16 Gage (1.6mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614005	Galvanized Corrugated Steel Pipe, 24" (600mm), 16 Gage (1.6mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614006	Galvanized Corrugated Steel Pipe, 30" (750mm), 14 Gage (2mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614007	Galvanized Corrugated Steel Pipe, 36" (900mm), 14 Gage (2mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614008	Galvanized Corrugated Steel Pipe, 42" (1050mm), 14 Gage (2mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614009	Galvanized Corrugated Steel Pipe, 48" (1200mm), 12 Gage (2.8mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614010	Galvanized Corrugated Steel Pipe, 54" (1350mm), 12 Gage (2.8mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614011	Galvanized Corrugated Steel Pipe, 60" (1500mm), 10 Gage (3.5mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
614012	Galvanized Corrugated Steel Pipe, 66" (1650mm), 10 Gage (3.5mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614013	Galvanized Corrugated Steel Pipe, 72" (1800mm), 8 Gage (4.3mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614014	Galvanized Corrugated Steel Pipe, 78" (1950mm), 8 Gage (4.3mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614015	Galvanized Corrugated Steel Pipe, 84" (2100mm), 8 Gage (4.3mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614016	Galvanized Corrugated Steel Pipe, 90" (2250mm), 8 Gage (4.3mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614017	Galvanized Corrugated Steel Pipe, 96" (2400mm), 8 Gage (4.3mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614018	Galvanized Corrugated Steel Pipe, 36" (900mm), 14 Gage (2mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614019	Galvanized Corrugated Steel Pipe, 42" (1050mm), 14 Gage (2mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614020	Galvanized Corrugated Steel Pipe, 48" (1200mm), 14 Gage (2mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614021	Galvanized Corrugated Steel Pipe, 54" (1350mm), 14 Gage (2mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614022	Galvanized Corrugated Steel Pipe, 60" (1500mm), 14 Gage (2mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
614023	Galvanized Corrugated Steel Pipe, 66" (1650mm), 14 Gage (2mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614024	Galvanized Corrugated Steel Pipe, 72" (1800mm), 14 Gage (2mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614025	Galvanized Corrugated Steel Pipe, 78" (1950mm), 12Gage (2.8mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614026	Galvanized Corrugated Steel Pipe, 84" (2100mm), 12Gage (2.8mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614027	Galvanized Corrugated Steel Pipe, 90" (2250mm), 12Gage (2.8mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614028	Galvanized Corrugated Steel Pipe, 96" (2400mm), 12Gage (2.8mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614029	Galvanized Corrugated Steel Pipe, 36" (900mm), 14 Gage (2mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614030	Galvanized Corrugated Steel Pipe, 42" (1050mm), 14 Gage (2mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614031	Galvanized Corrugated Steel Pipe, 48" (1200mm), 14 Gage (2mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614032	Galvanized Corrugated Steel Pipe, 54" (1350mm), 14 Gage (2mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614033	Galvanized Corrugated Steel Pipe, 60" (1500mm), 14 Gage (2mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
614034	Galvanized Corrugated Steel Pipe, 66" (1650mm), 14 Gage (2mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614035	Galvanized Corrugated Steel Pipe, 72" (1800mm), 14 Gage (2mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614036	Galvanized Corrugated Steel Pipe, 78" (1950mm), 12 Gage (2.8mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614037	Galvanized Corrugated Steel Pipe, 84" (2100mm), 12 Gage (2.8mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614038	Galvanized Corrugated Steel Pipe, 90" (2250mm), 12 Gage (2.8mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614039	Galvanized Corrugated Steel Pipe, 96" (2400mm), 12 Gage (2.8mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614040	Galvanized Corrugated Steel Pipe, 17" x 13" (430mm x 330mm), 14 Gage (2mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614041	Galvanized Corrugated Steel Pipe, 21" x 15" (530mm x 380mm), 14 Gage (2mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614042	Galvanized Corrugated Steel Pipe, 24" x 18" (610mm x 460mm), 14 Gage (2mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614043	Galvanized Corrugated Steel Pipe, 28" x 20" (710mm x 510mm), 14 Gage (2mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
614044	Galvanized Corrugated Steel Pipe, 35" x 24" (885mm x 610mm), 14 Gage (2mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614045	Galvanized Corrugated Steel Pipe, 42" x 29" (1060mm x 740mm), 14 Gage (2mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614046	Galvanized Corrugated Steel Pipe, 49" x 33" (1240mm x 840mm), 12 Gage (2.8mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614047	Galvanized Corrugated Steel Pipe, 57" x 38" (1440mm x 970mm), 10 Gage (3.5mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614048	Galvanized Corrugated Steel Pipe, 64" x 43" (1620mm x 1100mm), 10 Gage (3.5mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614049	Galvanized Corrugated Steel Pipe, 71" x 47" (1800mm x 1200mm), 8 Gage (4.3mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614050	Galvanized Corrugated Steel Pipe, 77" x 52" (1950mm x 1320mm), 8 Gage (4.3mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614051	Galvanized Corrugated Steel Pipe, 83" x 57" (2100mm x 1450mm), 8 Gage (4.3mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
614052	Galvanized Corrugated Steel Pipe, 40" x 31" (1010mm x 790mm), 14 Gage (2mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614053	Galvanized Corrugated Steel Pipe, 46" x 36" (1160mm x 920mm), 14 Gage (2mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614054	Galvanized Corrugated Steel Pipe, 53" x 41" (1340mm x 1050mm), 12 Gage (2.8mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614055	Galvanized Corrugated Steel Pipe, 60" x 46" (1520mm x 1170mm), 12 Gage (2.8mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614056	Galvanized Corrugated Steel Pipe, 66" x 51" (1670mm x 1300mm), 12 Gage (2.8mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614057	Galvanized Corrugated Steel Pipe, 73" x 55" (1850mm x 1400mm), 12 Gage (2.8mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614058	Galvanized Corrugated Steel Pipe, 81" x 59" (2050mm x 1500mm), 12 Gage (2.8mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614059	Galvanized Corrugated Steel Pipe, 87" x 63" (2200mm x 1620mm), 12 Gage (2.8mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
614060	Galvanized Corrugated Steel Pipe, 95" x 67" (2400mm x 1720mm), 12 Gage (2.8mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614061	Galvanized Corrugated Steel Pipe, 103" x 71" (2600mm x 1820mm), 12 Gage (2.8mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614062	Galvanized Corrugated Steel Pipe, 81" x 59" (2050mm x 1500mm), 10 Gage (3.5mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614063	Galvanized Corrugated Steel Pipe, 87" x 63" (2200mm x 1620mm), 10 Gage (3.5mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614064	Galvanized Corrugated Steel Pipe, 95" x 67" (2400mm x 1720mm), 10 Gage (3.5mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614065	Galvanized Corrugated Steel Pipe, 103" x 71" (2600mm x 1820mm), 10 Gage (3.5mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614066	Galvanized Corrugated Steel Pipe, 40" x 31" (1010mm x 790mm), 14 Gage (2mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614067	Galvanized Corrugated Steel Pipe, 46" x 36" (1160mm x 920mm), 14 Gage (2mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
614068	Galvanized Corrugated Steel Pipe, 53" x 41" (1340mm x 1050mm), 12 Gage (2.8mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614069	Galvanized Corrugated Steel Pipe, 60" x 46" (1520mm x 1170mm), 12 Gage (2.8mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614070	Galvanized Corrugated Steel Pipe, 66" x 51" (1670mm x 1300mm), 12 Gage (2.8mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614071	Galvanized Corrugated Steel Pipe, 73" x 55" (1850mm x 1400mm), 12 Gage (2.8mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614072	Galvanized Corrugated Steel Pipe, 81" x 59" (2050mm x 1500mm), 12 Gage (2.8mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614073	Galvanized Corrugated Steel Pipe, 87" x 63" (2200mm x 1620mm), 12 Gage (2.8mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614074	Galvanized Corrugated Steel Pipe, 95" x 67" (2400mm x 1720mm), 12 Gage (2.8mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614075	Galvanized Corrugated Steel Pipe, 103" x 71" (2600mm x 1820mm), 12 Gage (2.8mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
614076	Galvanized Corrugated Steel Pipe, 81" x 59" (2050mm x 1500mm), 10 Gage (3.5mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614077	Galvanized Corrugated Steel Pipe, 87" x 63" (2200mm x 1620mm), 10 Gage (3.5mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614078	Galvanized Corrugated Steel Pipe, 95" x 67" (2400mm x 1720mm), 10 Gage (3.5mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614079	Galvanized Corrugated Steel Pipe, 103" x 71" (2600mm x 1820mm), 10 Gage (3.5mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614080	Galvanized Corrugated Steel Pipe, 72" (1800mm), 12 Gage (2.8mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614081	Galvanized Corrugated Steel Pipe, 8" (200mm), 16 Gage (1.6mm), 1 1/2" x 1/4" (38 x 6.5mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614082	Galvanized Corrugated Steel Pipe, 18" (450mm), 16 Gage (1.6mm), Fully Coated and Paved	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614083	Galvanized Corrugated Steel Pipe, 128" x 83" (3240mm x 2120mm), 10 Gage (3.5mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614084	Galvanized Corrugated Steel Pipe, 10" (250mm), 16 Gage (1.6mm), 1 1/2" x 1/4" (38 x 6.5mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
614085	Galvanized Corrugated Steel Pipe, 60" x 46" (1520mm x 1170mm), 10 Gage (3.5mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614086	Galvanized Corrugated Steel Pipe, 27" (675mm), 14 Gage (2mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614087	Galvanized Corrugated Steel Pipe, 12" (1800mm), 12 Gage (2.8mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614088	Galvanized Corrugated Steel Pipe, 8" (200mm), 16 Gage (1.6mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614089	Galvanized Corrugated Steel Pipe, 6" (150mm), 18 Gage (1.3mm), 1 1/2" x 1/4" (38 x 6.5mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614090	Galvanized Corrugated Steel Pipe, 117" x 79" (2970mm x 2020mm), 10 Gage (3.5mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614091	Galvanized Corrugated Steel Pipe, 60" (1500mm), 12 Gage (2.8mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614092	Galvanized Corrugated Steel Pipe, 57" x 38" (1440 x 970mm), 12 Gage (2.8mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614093	Galvanized Corrugated Steel Pipe, 71" x 47" (1800 x 1200mm), 10 Gage (3.5mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614094	Galvanized Corrugated Steel Pipe, Full Coated, 18" (450mm), 16 Gage (3.5mm), 2 2/3" x 1/2" (68 x 13mm)	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
614096	Galvanized Corrugated Steel Pipe, Full Coated, 15" (450mm), 16 Gage (3.5mm), 2 2/3" x 1/2" (68 x 13mm)	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614097	Galvanized Corrugated Steel Pipe, 46" x 36" (1160mm x 920mm), 12 Gage (2.8mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614098	Galvanized Corrugated Steel Pipe, 142" x 91" (3600mm x 2320mm), 10 Gage (3.5mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614099	Galvanized Corrugated Steel Pipe, 30" (750mm), 14 Gage (2mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614101	Galvanized Corrugated Steel Pipe, 57" x 38" (1440mm x 970mm), 14 Gage (2mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614103	Galvanized Corrugated Steel Pipe, 15" (375mm), 14 Gage (2mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614200	Corrugated Aluminum Pipe, 12" (300mm), 14 Gage (2mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614201	Corrugated Aluminum Pipe, 15" (375mm), 14 Gage (2mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614202	Corrugated Aluminum Pipe, 18" (450mm), 14 Gage (2mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614203	Corrugated Aluminum Pipe, 21" (525mm), 14 Gage (2mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
614204	Corrugated Aluminum Pipe, 24" (600mm), 14 Gage (2mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614205	Corrugated Aluminum Pipe, 30" (750mm), 12 Gage (2.8mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614206	Corrugated Aluminum Pipe, 36" (900mm), 12 Gage (2.8mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614207	Corrugated Aluminum Pipe, 42" (1050mm), 10 Gage (3.5mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614208	Corrugated Aluminum Pipe, 48" (1200mm), 10 Gage (3.5mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614209	Corrugated Aluminum Pipe, 54" (1350mm), 10 Gage (3.5mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614210	Corrugated Aluminum Pipe, 60" (1500mm), 8 Gage (4.3mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614211	Corrugated Aluminum Pipe, 66" (1650mm), 8 Gage (4.3mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614212	Corrugated Aluminum Pipe, 72" (1800mm), 8 Gage (4.3mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614213	Corrugated Aluminum Pipe, 78" (1950mm), 8 Gage (4.3mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614214	Corrugated Aluminum Pipe, 84" (2100mm), 8 Gage (4.3mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
614215	Corrugated Aluminum Pipe, 92" (2250mm), 8 Gage (4.3mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614216	Corrugated Aluminum Pipe, 96" (2400mm), 8 Gage (4.3mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614217	Corrugated Aluminum Pipe, 36" (900mm), 14 Gage (2mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614218	Corrugated Aluminum Pipe, 42" (1050mm), 14 Gage (2mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614219	Corrugated Aluminum Pipe, 48" (1200mm), 14 Gage (2mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614220	Corrugated Aluminum Pipe, 54" (1350mm), 12 Gage (2.8mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614221	Corrugated Aluminum Pipe, 60" (1500mm), 12 Gage (2.8mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614222	Corrugated Aluminum Pipe, 66" (1650mm), 12 Gage (2.8mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614223	Corrugated Aluminum Pipe, 72" (1800mm), 10 Gage (3.5mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614224	Corrugated Aluminum Pipe, 78" (1950mm), 10 Gage (3.5mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614225	Corrugated Aluminum Pipe, 84" (2100mm), 10 Gage (3.5mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
614226	Corrugated Aluminum Pipe, 90" (2250mm), 10 Gage (3.5mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614227	Corrugated Aluminum Pipe, 96" (2400mm), 8 Gage (4.3mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614228	Corrugated Aluminum Pipe, 36" (900mm), 14 Gage (2mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614229	Corrugated Aluminum Pipe, 42" (1050mm), 14 Gage (2mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614230	Corrugated Aluminum Pipe, 48" (1200mm), 14 Gage (2mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614231	Corrugated Aluminum Pipe, 54" (1350mm), 12 Gage (2.8mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614232	Corrugated Aluminum Pipe, 60" (1500mm), 12 Gage (2.8mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614233	Corrugated Aluminum Pipe, 66" (1650mm), 12 Gage (2.8mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614234	Corrugated Aluminum Pipe, 72" (1800mm), 10 Gage (3.5mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614235	Corrugated Aluminum Pipe, 78" (1950mm), 10 Gage (3.5mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614236	Corrugated Aluminum Pipe, 84" (2100mm), 10 Gage (3.5mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
614237	Corrugated Aluminum Pipe, 90" (2250mm), 10 Gage (3.5mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614238	Corrugated Aluminum Pipe, 96" (2400mm), 8 Gage (4.3mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614239	Corrugated Aluminum Pipe, 17" x 13" (425 x 325mm), 14 Gage (2mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614240	Corrugated Aluminum Pipe, 21" x 15" (525 x 375mm), 12 Gage (2.8mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614241	Corrugated Aluminum Pipe, 24" x 18" (600 x 450mm), 12 Gage (2.8mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614242	Corrugated Aluminum Pipe, 28" x 20" (700 x 500mm), 10 Gage (3.5mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614243	Corrugated Aluminum Pipe, 35" x 24" (875 x 600mm), 10 Gage (3.5mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614244	Corrugated Aluminum Pipe, 42" x 29" (1050 x 725mm), 8 Gage (4.3mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614245	Corrugated Aluminum Pipe, 49" x 33" (1225 x 825mm), 8 Gage (4.3mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614246	Corrugated Aluminum Pipe, 57" x 38" (1425 x 950mm), 8 Gage (4.3mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614247	Corrugated Aluminum Pipe, 64" x 43" (1600 x 1075mm), 8 Gage (4.3mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
614248	Corrugated Aluminum Pipe, 71" x 47" (1775 x 1175mm), 8 Gage (4.3mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614249	Corrugated Aluminum Pipe, 77" x 52" (1925 x 1300mm), 8 Gage (4.3mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614250	Corrugated Aluminum Pipe, 83" x 57" (2100 x 1450mm), 8 Gage (4.3mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614251	Corrugated Aluminum Pipe, 40" x 31" (1000 x 775mm), 12 Gage (2.8mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614252	Corrugated Aluminum Pipe, 46" x 31" (1150 x 775mm), 12 Gage (2.8mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614253	Corrugated Aluminum Pipe, 53" x 41" (1325 x 1025mm), 10 Gage (3.5mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614254	Corrugated Aluminum Pipe, 60" x 46" (1500 x 1150mm), 10 Gage (3.5mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614255	Corrugated Aluminum Pipe, 66" x 51" (1650 x 1275mm), 10 Gage (3.5mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614256	Corrugated Aluminum Pipe, 73" x 55" (1825 x 1375mm), 10 Gage (3.5mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614257	Corrugated Aluminum Pipe, 81" x 59" (2025 x 1475mm), 10 Gage (3.5mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614258	Corrugated Aluminum Pipe, 87" x 63" (2175 x 1575mm), 10 Gage (3.5mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
614259	Corrugated Aluminum Pipe, 95" x 37" (2375 x 1675mm), 10 Gage (3.5mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614260	Corrugated Aluminum Pipe, 103" x 71" (2575 x 1775mm), 10 Gage (3.5mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614261	Corrugated Aluminum Pipe, 40" x 31" (1000 x 775mm), 12 Gage (2.8mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614262	Corrugated Aluminum Pipe, 46" x 31" (1150 x 775mm), 12 Gage (2.8mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614263	Corrugated Aluminum Pipe, 53" x 41" (1325 x 1025mm), 10 Gage (3.5mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614264	Corrugated Aluminum Pipe, 60" x 46" (1500 x 1150mm), 10 Gage (3.5mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614265	Corrugated Aluminum Pipe, 66" x 51" (1650 x 1275mm), 10 Gage (3.5mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614266	Corrugated Aluminum Pipe, 73" x 55" (1825 x 1375mm), 10 Gage (3.5mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614267	Corrugated Aluminum Pipe, 81" x 59" (2025 x 1475mm), 10 Gage (3.5mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614268	Corrugated Aluminum Pipe, 87" x 63" (2175 x 1575mm), 10 Gage (3.5mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614269	Corrugated Aluminum Pipe, 95" x 67" (2375 x 1675mm), 10 Gage (3.5mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
614270	Corrugated Aluminum Pipe, 103" x 71" (2575 x 1775mm), 10 Gage (3.5mm), 5" x 1" (125 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614271	Corrugated Aluminum Pipe, 6" (150mm), 14 Gage (2mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614272	Corrugated Aluminum Pipe, 22" x 13" (550 x 325mm), 14 Gage (2mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614273	Corrugated Aluminum Pipe, 30" (750mm), 14 Gage (2mm), 3" x 1" (75 x 25mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614274	Corrugated Aluminum Pipe, 24" x 13" (600 x 325mm), 14 Gage (2mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	ft (m)	minimum 1 / Source / Contract	Certification: M36, M218, M274, M196, M190, T88, T89, T90, T99 (Method C)
614500	Ductile Iron Pipe, 4" (100mm)	ft (m)	minimum 1 / Source / Contract	Certification to ANSI / AWWA requirements
614501	Ductile Iron Pipe, 6" (150mm)	ft (m)	minimum 1 / Source / Contract	Certification to ANSI / AWWA requirements
614502	Ductile Iron Pipe, 8" (200mm)	ft (m)	minimum 1 / Source / Contract	Certification to ANSI / AWWA requirements
614503	Ductile Iron Pipe, 10" (250mm)	ft (m)	minimum 1 / Source / Contract	Certification to ANSI / AWWA requirements
614504	Ductile Iron Pipe, 12" (300mm)	ft (m)	minimum 1 / Source / Contract	Certification to ANSI / AWWA requirements
614555	Fire Hydrants	Each	minimum 1 / Source / Contract	Visual Inspection, Certification of Plant
614568	Ductile Iron Pipe, 14" (350mm)	ft (m)	minimum 1 / Source / Contract	Certification to ANSI / AWWA requirements
614580	Ductile Iron Pipe, 30" (750mm)	ft (m)	minimum 1 / Source / Contract	Certification to ANSI / AWWA requirements
614581	Ductile Iron Pipe, 15" (375mm)	ft (m)	minimum 1 / Source / Contract	Certification to ANSI / AWWA requirements
614582	Ductile Iron Pipe, Class 53, Cement Lined, 8" (200mm)	ft (m)	minimum 1 / Source / Contract	Certification to ANSI / AWWA requirements
614588	Ductile Iron Pipe, 18" (450mm)	ft (m)	minimum 1 / Source / Contract	Certification to ANSI / AWWA requirements
614589	Steel Casing Pipe, 10" (250mm)	ft (m)	minimum 1 / Source / Contract	Certification: Must be A-53 grade B black steel pipe, must conform to API-5L, Grade B. Pipe should be welded in accordance with AWWA C-206
614590	Steel Casing Pipe, 16" (400mm), Sanitary Sewer	ft (m)	minimum 1 / Source / Contract	Certification: Must be A-53 grade B black steel pipe, must conform to API-5L, Grade B. Pipe should be welded in accordance with AWWA C-206

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
614602	Steel Casing Pipe, 16" (400mm)	ft (m)	minimum 1 / Source / Contract	Certification: Must be A-53 grade B black steel pipe, must conform to API-5L, Grade B. Pipe should be welded in accordance with AWWA C-206
614603	Steel Casing Pipe, 20" (500mm)	ft (m)	minimum 1 / Source / Contract	Certification: Must be A-53 grade B black steel pipe, must conform to API-5L, Grade B. Pipe should be welded in accordance with AWWA C-206
614605	Steel Casing Pipe, 12" (300mm)	ft (m)	minimum 1 / Source / Contract	Certification: Must be A-53 grade B black steel pipe, must conform to API-5L, Grade B. Pipe should be welded in accordance with AWWA C-206
614607	Ductile Iron Pipe, 42" (1050mm)	ft (m)	minimum 1 / Source / Contract	Certification to ANSI / AWWA requirements
614612	Steel Casing Pipe, 24" (600mm), Sanitary Sewer	ft (m)	minimum 1 / Source / Contract	Certification of Pipe to M36/ M 36M
614613	Steel Casing, 54" (1350mm)	ft (m)	minimum 1 / Source / Contract	Certification of Pipe to M36/ M 36M
614630	PVC Watermain, Class 200, 12" (300mm)	ft (m)	minimum 1 / Source / Contract	Certification: Technical Literature, PVC must meet ASTM D 3034
614631	PVC Watermain, Class 200, 8" (200mm)	ft (m)	minimum 1 / Source / Contract	Certification: Technical Literature, PVC must meet ASTM D 3034
614632	PVC Service Line, Class 200, 4" (100mm)	ft (m)	minimum 1 / Source / Contract	Certification: Technical Literature, PVC must meet ASTM D 3034
614660	Steel Casing Pipe, 24" (600mm)	ft (m)	minimum 1 / Source / Contract	Certification: Must be A-53 grade B black steel pipe, must conform to API-5L, Grade B. Pipe should be welded in accordance with AWWA C-206
614661	Steel Casing Pipe, 26" (650mm)	ft (m)	minimum 1 / Source / Contract	Certification: Must be A-53 grade B black steel pipe, must conform to API-5L, Grade B. Pipe should be welded in accordance with AWWA C-206
614662	Steel Casing Pipe, 28" (700mm)	ft (m)	minimum 1 / Source / Contract	Certification: Must be A-53 grade B black steel pipe, must conform to API-5L, Grade B. Pipe should be welded in accordance with AWWA C-206
614663	Steel Casing Pipe, 32" (800mm)	ft (m)	minimum 1 / Source / Contract	Certification: Must be A-53 grade B black steel pipe, must conform to API-5L, Grade B. Pipe should be welded in accordance with AWWA C-206
614678	Steel Casing Pipe, 14" (350mm)	ft (m)	minimum 1 / Source / Contract	Certification: Must be A-53 grade B black steel pipe, must conform to API-5L, Grade B. Pipe should be welded in accordance with AWWA C-206

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
614710	Steel Spiral Rib Pipe, 72" (1800 mm)	ft (m)	minimum 1 / Source / Contract	Certification: Mill Test, Visual Inspection; Shall conform to M36, Type IR and IIR
614716	Ductile Iron Pipe, 16" (400mm)	ft (m)	minimum 1 / Source / Contract	Certification to ANSI / AWWA requirements
614744	Steel Casing Pipe, 18" (450mm)	ft (m)	minimum 1 / Source / Contract	Certification: Must be A-53 grade B black steel pipe, must conform to API-5L, Grade B. Pipe should be welded in accordance with AWWA C-206
614746	Steel Casing Pipe, 48" (1200mm)	ft (m)	minimum 1 / Source / Contract	Certification: Must be A-53 grade B black steel pipe, must conform to API-5L, Grade B. Pipe should be welded in accordance with AWWA C-206
614764	Ductile Iron Pipe, 36" (900mm)	ft (m)	minimum 1 / Source / Contract	Certification to ANSI / AWWA requirements
614774	Steel Pipe, Special, Schedule 40, 2" (50mm)	ft (m)	minimum 1 / Source / Contract	Certification of Steel Fittings for 2" and Smaller Pipe to ANSI B16.11 and ASTM A105, Fittings for 2 1/2" or Larger Pipe to ASTM A234 and ANSI B16.9, Steel Pipe to ASTM A53 or A106, Gate Valves to ASTM A105 or ASTM A216
614775	Steel Pipe, Special, Schedule 40, 4" (100mm)	ft (m)	minimum 1 / Source / Contract	Certification of Steel Fittings for 2" and Smaller Pipe to ANSI B16.11 and ASTM A105, Fittings for 2 1/2" or Larger Pipe to ASTM A234 and ANSI B16.9, Steel Pipe to ASTM A53 or A106, Gate Valves to ASTM A105 or ASTM A216
614776	Steel Pipe, Special, Schedule 40, 6" (150mm)	ft (m)	minimum 1 / Source / Contract	Certification of Steel Fittings for 2" and Smaller Pipe to ANSI B16.11 and ASTM A105, Fittings for 2 1/2" or Larger Pipe to ASTM A234 and ANSI B16.9, Steel Pipe to ASTM A53 or A106, Gate Valves to ASTM A105 or ASTM A216
614777	Steel Casing Pipe, 6" (150mm)	ft (m)	minimum 1 / Source / Contract	Certification: Must be A-53 grade B black steel pipe, must conform to API-5L, Grade B. Pipe should be welded in accordance with AWWA C-206
614778	Steel Casing Pipe, 8" (200mm)	ft (m)	minimum 1 / Source / Contract	Certification: Must be A-53 grade B black steel pipe, must conform to API-5L, Grade B. Pipe should be welded in accordance with AWWA C-206
614783	Steel Casing Pipe, 30" (750mm)	ft (m)	minimum 1 / Source / Contract	Certification: Must be A-53 grade B black steel pipe, must conform to API-5L, Grade B. Pipe should be welded in accordance with AWWA C-206
614823	Steel Spiral Rib Pipe, 60" x 46" (1520 x 1170mm)	ft (m)	minimum 1 / Source / Contract	Certification: Mill Test, Visual Inspection; Shall conform to M36, Type IR and IIR
614824	Steel Spiral Rib Pipe, 15" (375mm)	ft (m)	minimum 1 / Source / Contract	Certification: Mill Test, Visual Inspection; Shall conform to M36, Type IR and IIR

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
614825	Steel Casing Pipe, 36" (900mm)	ft (m)	minimum 1 / Source / Contract	Certification: Must be A-53 grade B black steel pipe, must conform to API-5L, Grade B. Pipe should be welded in accordance with AWWA C-206
614830	Steel Spiral Rib Pipe, 42" (1050mm)	ft (m)	minimum 1 / Source / Contract	Certification: Mill Test, Visual Inspection; Shall conform to M36, Type IR and IIR
616500	Aluminum Box Culvert	Each	minimum 1 / Source / Contract	Visual Inspection, Certification of materials to: Corrugated aluminum pate arch and aluminum box culvert M 219M, Aluminum extruded shapes ASTM B-221M
616501	Structural Aluminum Plate Pipe, 12'-1"x11"-0" (3.6m - 25mm x 275mm-0mm)	ft (m)	minimum 1 / Source / Contract	Certification, Visual Inspection; Materials must meet: Corrugations, M219, Bolts, AASHTO M164, Galvinization ASTM A 153, Polyethylene, ASTM D1248, Sand T11M, T27M
616502	Structural Plate Arch (Steel)	ft (m)	minimum 1 / Source / Contract	Certification, Visual Inspection; Materials must meet: Corrugations, M219, Bolts, M164, Galvinization ASTM A 153, Polyethylene, ASTM D1248, Sand T11, T27, Bar Reinforcement, Plant Inspection, M31, M284; Concrete AASHTO T22, T23, or ASTM C39-86, and Division 600 requirements, Reinforcing ribs must conform to ASTM A36
616503	Structural Plate Arch (Aluminum)	ft (m)	minimum 1 / Source / Contract	Visual Inspection, Certification of materials to: Corrugated aluminum pate arch and aluminum box culvert M219, Aluminum extruded shapes ASTM B-221M
617001	Structural Concrete Flared End Section, 12" (300mm)	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617002	Structural Concrete Flared End Section, 15" (375mm)	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617003	Structural Concrete Flared End Section, 18" (450mm)	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617004	Structural Concrete Flared End Section, 21" (525mm)	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617005	Structural Concrete Flared End Section, 24" (600mm)	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617006	Structural Concrete Flared End Section, 27" (675mm)	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617007	Structural Concrete Flared End Section, 30" (750mm)	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
617008	Structural Concrete Flared End Section, 33" (825mm)	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617009	Structural Concrete Flared End Section, 36" (900mm)	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617010	Structural Concrete Flared End Section, 42" (1050mm)	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617011	Structural Concrete Flared End Section, 48" (1200mm)	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617012	Structural Concrete Flared End Section, 54" (1350mm)	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617013	Structural Concrete Flared End Section, 60" (1500mm)	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617014	Structural Concrete Flared End Section, 66" (1650mm)	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617015	Structural Concrete Flared End Section, 72" (1800mm)	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617016	Structural Concrete Flared End Section, 78" (1950mm)	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617017	Structural Concrete Flared End Section, 84" (2100mm)	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617018	Structural Concrete Flared End Section, 90" (2250mm)	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617019	Structural Concrete Flared End Section, 96" (2400mm)	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617020	Galvanized Corrugated Steel Pipe Flared End Section, 12" (300mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617021	Galvanized Corrugated Steel Pipe Flared End Section, 15" (375mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617022	Galvanized Corrugated Steel Pipe Flared End Section, 18" (450mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
617023	Galvanized Corrugated Steel Pipe Flared End Section, 21" (525mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617024	Galvanized Corrugated Steel Pipe Flared End Section, 24" (600mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617025	Galvanized Corrugated Steel Pipe Flared End Section, 27" (675mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617026	Galvanized Corrugated Steel Pipe Flared End Section, 30" (750mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617027	Galvanized Corrugated Steel Pipe Flared End Section, 33" (825mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617028	Galvanized Corrugated Steel Pipe Flared End Section, 36" (900mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617029	Galvanized Corrugated Steel Pipe Flared End Section, 42" (1050mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617030	Galvanized Corrugated Steel Pipe Flared End Section, 48" (1200mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617031	Galvanized Corrugated Steel Pipe Flared End Section, 54" (1350mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617032	Galvanized Corrugated Steel Pipe Flared End Section, 60" (1500mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617033	Galvanized Corrugated Steel Pipe Flared End Section, 66" (1650mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
617034	Galvanized Corrugated Steel Pipe Flared End Section, 72" (1800mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617035	Galvanized Corrugated Steel Pipe Flared End Section, 78" (1950mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617036	Galvanized Corrugated Steel Pipe Flared End Section, 84" (2100mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617037	Galvanized Corrugated Steel Pipe Flared End Section, 90" (2250mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617038	Galvanized Corrugated Steel Pipe Flared End Section, 96" (2400mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617039	Galvanized Corrugated Steel Pipe Flared End Section, 36" (900mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617040	Galvanized Corrugated Steel Pipe Flared End Section, 42" (1050mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617041	Galvanized Corrugated Steel Pipe Flared End Section, 48" (1200mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617042	Galvanized Corrugated Steel Pipe Flared End Section, 54" (1350mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617043	Galvanized Corrugated Steel Pipe Flared End Section, 60" (1500mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617044	Galvanized Corrugated Steel Pipe Flared End Section, 66" (1650mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
617045	Galvanized Corrugated Steel Pipe Flared End Section, 72" (1800mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617046	Galvanized Corrugated Steel Pipe Flared End Section, 78" (1950mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617047	Galvanized Corrugated Steel Pipe Flared End Section, 84" (2100mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617048	Galvanized Corrugated Steel Pipe Flared End Section, 90" (2250mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617049	Galvanized Corrugated Steel Pipe Flared End Section, 96" (2400mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617050	Galvanized Corrugated Steel Pipe Flared End Section, 36" (900mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617051	Galvanized Corrugated Steel Pipe Flared End Section, 42" (1050mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617052	Galvanized Corrugated Steel Pipe Flared End Section, 48" (1200mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617053	Galvanized Corrugated Steel Pipe Flared End Section, 54" (1350mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617054	Galvanized Corrugated Steel Pipe Flared End Section, 60" (1500mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617055	Galvanized Corrugated Steel Pipe Flared End Section, 66" (1650mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
617056	Galvanized Corrugated Steel Pipe Flared End Section, 72" (1800mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617057	Galvanized Corrugated Steel Pipe Flared End Section, 78" (1950mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617058	Galvanized Corrugated Steel Pipe Flared End Section, 84" (2100mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617059	Galvanized Corrugated Steel Pipe Flared End Section, 90" (2250mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617060	Galvanized Corrugated Steel Pipe Flared End Section, 96" (2400mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617061	Galvanized Corrugated Steel Pipe Flared End Section, 17" x 13" (430 x 330mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617062	Galvanized Corrugated Steel Pipe Flared End Section, 21" x 15" (530 x 380mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617063	Galvanized Corrugated Steel Pipe Flared End Section, 24" x 18" (610 x 460mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617064	Galvanized Corrugated Steel Pipe Flared End Section, 28" x 20" (710 x 510mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617065	Galvanized Corrugated Steel Pipe Flared End Section, 35" x 24" (885 x 610mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
617066	Galvanized Corrugated Steel Pipe Flared End Section, 42" x 29" (1060 x 740mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617067	Galvanized Corrugated Steel Pipe Flared End Section, 49" x 33" (1240 x 840mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617068	Galvanized Corrugated Steel Pipe Flared End Section, 57" x 38" (1440 x 970mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617069	Galvanized Corrugated Steel Pipe Flared End Section, 64" x 43" (1620 x 1100mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617070	Galvanized Corrugated Steel Pipe Flared End Section, 71" x 47" (1800 x 1200mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617071	Galvanized Corrugated Steel Pipe Flared End Section, 77" x 52" (1950 x 1320mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617072	Galvanized Corrugated Steel Pipe Flared End Section, 83" x 57" (2100 x 1450mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617073	Galvanized Corrugated Steel Pipe Flared End Section, 40" x 31" (1010 x 790mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
617074	Galvanized Corrugated Steel Pipe Flared End Section, 46" x 36" (1160 x 920mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617075	Galvanized Corrugated Steel Pipe Flared End Section, 53" x 41" (1340 x 1050mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617076	Galvanized Corrugated Steel Pipe Flared End Section, 60" x 46" (1520 x 1170mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617077	Galvanized Corrugated Steel Pipe Flared End Section, 66" x 51" (1670 x 1300mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617078	Galvanized Corrugated Steel Pipe Flared End Section, 73" x 55" (1850 x 1400mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617079	Galvanized Corrugated Steel Pipe Flared End Section, 81" x 59" (2050 x 1500mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617080	Galvanized Corrugated Steel Pipe Flared End Section, 87" x 63" (2200 x 1620mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617081	Galvanized Corrugated Steel Pipe Flared End Section, 95" x 67" (2400 x 1720mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
617082	Galvanized Corrugated Steel Pipe Flared End Section, 103" x 71" (2600 x 1820mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617083	Galvanized Corrugated Steel Pipe Flared End Section, 40" x 31" (1010 x 790mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617084	Galvanized Corrugated Steel Pipe Flared End Section, 46" x 36" (1160 x 920mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617085	Galvanized Corrugated Steel Pipe Flared End Section, 53" x 41" (1340 x 1050mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617086	Galvanized Corrugated Steel Pipe Flared End Section, 60" x 46" (1520 x 1170mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617087	Galvanized Corrugated Steel Pipe Flared End Section, 66" x 51" (1670 x 1300mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617088	Galvanized Corrugated Steel Pipe Flared End Section, 73" x 55" (1850 x 1400mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617089	Galvanized Corrugated Steel Pipe Flared End Section, 81" x 59" (2050 x 1500mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
617090	Galvanized Corrugated Steel Pipe Flared End Section, 87" x 63" (2200 x 1620mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617091	Galvanized Corrugated Steel Pipe Flared End Section, 95" x 67" (2400 x 1720mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617092	Galvanized Corrugated Steel Pipe Flared End Section, 103" x 71" (2600 x 1820mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617093	Corrugated Aluminum Pipe Flared End Section, 12" (300mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617904	Corrugated Aluminum Pipe Flared End Section, 15" (375mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617095	Corrugated Aluminum Pipe Flared End Section, 18" (450mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617096	Corrugated Aluminum Pipe Flared End Section, 21" (525mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617097	Corrugated Aluminum Pipe Flared End Section, 24" (600mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617098	Corrugated Aluminum Pipe Flared End Section, 30" (750mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617099	Corrugated Aluminum Pipe Flared End Section, 36" (900mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
617100	Corrugated Aluminum Pipe Flared End Section, 42" (1050mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617101	Corrugated Aluminum Pipe Flared End Section, 48" (1200mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617102	Corrugated Aluminum Pipe Flared End Section, 54" (1350mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617103	Corrugated Aluminum Pipe Flared End Section, 60" (1500mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617104	Corrugated Aluminum Pipe Flared End Section, 66" (1650mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617105	Corrugated Aluminum Pipe Flared End Section, 72" (1800mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617106	Corrugated Aluminum Pipe Flared End Section, 78" (1950mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617107	Corrugated Aluminum Pipe Flared End Section, 84" (2100mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617108	Corrugated Aluminum Pipe Flared End Section, 90" (2250mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617109	Corrugated Aluminum Pipe Flared End Section, 96" (2400mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617110	Corrugated Aluminum Pipe Flared End Section, 36" (900mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
617111	Corrugated Aluminum Pipe Flared End Section, 42" (1050mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617112	Corrugated Aluminum Pipe Flared End Section, 48" (1200mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617113	Corrugated Aluminum Pipe Flared End Section, 54" (1350mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617114	Corrugated Aluminum Pipe Flared End Section, 60" (1500mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617115	Corrugated Aluminum Pipe Flared End Section, 66" (1650mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617116	Corrugated Aluminum Pipe Flared End Section, 72" (1800mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617117	Corrugated Aluminum Pipe Flared End Section, 78" (1950mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617118	Corrugated Aluminum Pipe Flared End Section, 84" (2100mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617119	Corrugated Aluminum Pipe Flared End Section, 90" (2250mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617120	Corrugated Aluminum Pipe Flared End Section, 96" (2400mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617121	Corrugated Aluminum Pipe Flared End Section, 36" (900mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
617122	Corrugated Aluminum Pipe Flared End Section, 42" (1050mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617123	Corrugated Aluminum Pipe Flared End Section, 48" (1200mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617124	Corrugated Aluminum Pipe Flared End Section, 54" (1350mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617125	Corrugated Aluminum Pipe Flared End Section, 60" (1500mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617126	Corrugated Aluminum Pipe Flared End Section, 66" (1650mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617127	Corrugated Aluminum Pipe Flared End Section, 72" (1800mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617128	Corrugated Aluminum Pipe Flared End Section, 78" (1950mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617129	Corrugated Aluminum Pipe Flared End Section, 84" (2100mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617130	Corrugated Aluminum Pipe Flared End Section, 90" (2250mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617131	Corrugated Aluminum Pipe Flared End Section, 96" (2400mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617132	Corrugated Aluminum Pipe Flared End Section, 17" x 13" (425 x 325mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
617133	Corrugated Aluminum Pipe Flared End Section, 21" x 15" (525 x 375mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617134	Corrugated Aluminum Pipe Flared End Section, 24" x 18" (600 x 450mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617135	Corrugated Aluminum Pipe Flared End Section, 28" x 20" (700 x 500mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617136	Corrugated Aluminum Pipe Flared End Section, 35" x 24" (875 x 600mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617137	Corrugated Aluminum Pipe Flared End Section, 42" x 29" (1050 x 725mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617138	Corrugated Aluminum Pipe Flared End Section, 49" x 33" (1225 x 825mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617139	Corrugated Aluminum Pipe Flared End Section, 57" x 38" (1425 x 950mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617140	Corrugated Aluminum Pipe Flared End Section, 64" x 43" (1600 x 1075mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617141	Corrugated Aluminum Pipe Flared End Section, 71" x 47" (1775 x 1175mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617142	Corrugated Aluminum Pipe Flared End Section, 77" x 52" (1925 x 1300mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617143	Corrugated Aluminum Pipe Flared End Section, 83" x 57" (2075 x 1425mm), 2 2/3" x 1/2" (68 x 13mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
617144	Corrugated Aluminum Pipe Flared End Section, 40" x 31" (1000 x 775mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617145	Corrugated Aluminum Pipe Flared End Section, 46" x 31" (1150 x 775mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617146	Corrugated Aluminum Pipe Flared End Section, 53" x 41" (1325 x 1025mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617147	Corrugated Aluminum Pipe Flared End Section, 60" x 46" (1500 x 1150mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617148	Corrugated Aluminum Pipe Flared End Section, 66" x 51" (1650 x 1275mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617149	Corrugated Aluminum Pipe Flared End Section, 73" x 55" (1825 x 1375mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617150	Corrugated Aluminum Pipe Flared End Section, 81" x 59" (2025 x 1475mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617151	Corrugated Aluminum Pipe Flared End Section, 87" x 63" (2175 x 1575mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617152	Corrugated Aluminum Pipe Flared End Section, 95" x 67" (2375 x 1675mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617153	Corrugated Aluminum Pipe Flared End Section, 103" x 71" (2575 x 1775mm), 3" x 1" (75 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617154	Corrugated Aluminum Pipe Flared End Section, 40" x 31" (1000 x 775mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
617155	Corrugated Aluminum Pipe Flared End Section, 46" x 31" (1150 x 775mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617156	Corrugated Aluminum Pipe Flared End Section, 53" x 41" (1325 x 1025mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617157	Corrugated Aluminum Pipe Flared End Section, 60" x 46" (1500 x 1150mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617158	Corrugated Aluminum Pipe Flared End Section, 66" x 51" (1650 x 1275mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617159	Corrugated Aluminum Pipe Flared End Section, 73" x 55" (1825 x 1375mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617160	Corrugated Aluminum Pipe Flared End Section, 81" x 59" (2025 x 1475mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617161	Corrugated Aluminum Pipe Flared End Section, 87" x 63" (2175 x 1575mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617162	Corrugated Aluminum Pipe Flared End Section, 95" x 67" (2375 x 1675mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617163	Corrugated Aluminum Pipe Flared End Section, 103" x 71" (2575 x 1775mm), 5" x 1" (125 x 25mm) Corrugation	Each	minimum 1 / Source / Contract	Certification, M36, M170, M207, M218, M274, M196, M190; T88, T89, T90, T99 (Method C), ASTM C443
617164	Reinforced Concrete Flared End Section, 19" x 30" (475 x 750mm)	Each	minimum 1 / Source / Contract	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 600 Requirements
617165	Reinforced Concrete Flared End Section, 14" x 23" (350 x 575mm)	Each	minimum 1 / Source / Contract	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 600 Requirements
617166	Reinforced Concrete Flared End Section, 32" x 49" (800 x 1225mm)	Each	minimum 1 / Source / Contract	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 600 Requirements
617167	Reinforced Concrete Flared End Section, 34" x 53" (850 x 1325mm)	Each	minimum 1 / Source / Contract	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 600 Requirements

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
617168	Reinforced Concrete Flared End Section, 27" x 42" (675 x 1050mm)	Each	minimum 1 / Source / Contract	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 600 Requirements
617169	Reinforced Concrete Flared End Section, 38" x 60" (950 x 1500mm)	Each	minimum 1 / Source / Contract	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 600 Requirements
617170	Reinforced Concrete Flared End Section, 43" x 68" (1075 x 1700mm)	Each	minimum 1 / Source / Contract	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 600 Requirements
617171	Reinforced Concrete Flared End Section, 29" x 45" (725 x 1125mm)	Each	minimum 1 / Source / Contract	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 600 Requirements
617173	Reinforced Concrete Flared End Section, 13" x 22" (325 x 550mm)	Each	minimum 1 / Source / Contract	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 600 Requirements
617174	Reinforced Concrete Flared End Section, 24" x 38" (600 x 950mm)	Each	minimum 1 / Source / Contract	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 600 Requirements
617175	Reinforced Concrete Arch Flared End Section, 11" x 18" (275 x 450mm)	Each	See Division 600	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 600 Requirements
617176	Reinforced Concrete Flared End Section, 22" x 34" (550 x 850mm)	Each	See Division 600	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 600 Requirements
617509	Corrugated Polyethylene Flared End Section, 12" (300mm)	Each	minimum 1 / Source / Contract	Certification to M294-90
617510	Corrugated Polyethylene Flared End Section, 15" (375mm)	Each	minimum 1 / Source / Contract	Certification to M294-90
617511	Corrugated Polyethylene Flared End Section, 18" (450mm)	Each	minimum 1 / Source / Contract	Certification to M294-90
617512	Corrugated Polyethylene Flared End Section, 24" (600mm)	Each	minimum 1 / Source / Contract	Certification to M294-90
617513	Corrugated Polyethylene Flared End Section, 30" (750mm)	Each	minimum 1 / Source / Contract	Certification to M294-90
617514	Corrugated Polyethylene Flared End Section, 36" (900mm)	ft (m)	minimum 1 / Source / Contract	Certification to M294-90
618020	Furnish Timber Piles - Treated, 12" (300mm)	ft (m)	All Piles Inspected	M168, M133, AWP (as specified)
618021	Furnish Timber Piles - Treated, 14" (350mm)	ft (m)	All Piles Inspected	M168, M133, AWP (as specified)
618022	Furnish Timber Piles - Treated, 16" (400mm)	ft (m)	All Piles Inspected	M168, M133, AWP (as specified)

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
618023	Furnish Timber Piles - Untreated, 12" (300mm)	ft (m)	All Piles Inspected	M168, M133, AWWA (as specified)
618024	Furnish Timber Piles - Untreated, 14" (350mm)	ft (m)	All Piles Inspected	M168, M133, AWWA (as specified)
618025	Furnish Timber Piles - Untreated, 16" (400mm)	ft (m)	All Piles Inspected	M168, M133, AWWA (as specified)
618026	Furnish Timber Test Piles, 12" (300mm)	ft (m)	All Piles Inspected	M168, M133, AWWA (as specified)
618027	Furnish Timber Test Piles, 14" (350mm)	ft (m)	All Piles Inspected	M168, M133, AWWA (as specified)
618028	Furnish Timber Test Piles, 16" (400mm)	ft (m)	All Piles Inspected	M168, M133, AWWA (as specified)
618029	Furnish Timber Test Piles - Treated, 12" (300mm)	ft (m)	All Piles Inspected	M168, M133, AWWA (as specified)
618030	Furnish Timber Test Piles - Treated, 14" (350mm)	ft (m)	All Piles Inspected	M168, M133, AWWA (as specified)
618031	Furnish Timber Test Piles - Treated, 16" (400mm)	ft (m)	All Piles Inspected	M168, M133, AWWA (as specified)
618040	Furnish Cast-In-Place Concrete Piles, 12" (300mm)	ft (m)	Steel Materials Tested at Plant, Division 600	ASTM A252, SAE 1010 or 1015, ASTM G12, also Division 600 requirements
618041	Furnish Cast-In-Place Concrete Piles, 14" (350mm)	ft (m)	Steel Materials Tested at Plant, Division 600	ASTM A252, SAE 1010 or 1015, ASTM G12, also Division 600 requirements
618042	Furnish Cast-In-Place Concrete Piles, 16" (400mm)	ft (m)	Steel Materials Tested at Plant, Division 600	ASTM A252, SAE 1010 or 1015, ASTM G12, also Division 600 requirements
618043	Furnish Cast-In-Place Concrete Piles, 18" (450mm)	ft (m)	Steel Materials Tested at Plant, Division 600	ASTM A252, SAE 1010 or 1015, ASTM G12, also Division 600 requirements
618044	Furnish Cast-In-Place Concrete Piles, 16" (400mm), Bituminous Coated	ft (m)	Steel Materials Tested at Plant, Division 600	ASTM A252, SAE 1010 or 1015, ASTM G12
618060	Steel H Piles, HP 12 x 53 (310 x 79)	ft (m)	minimum 1 / Source / Contract	Steel Materials Tested at Plant: M183
618061	Steel H Piles, HP 12 x 63 (310 x 94)	ft (m)	minimum 1 / Source / Contract	Steel Materials Tested at Plant: M183
618062	Steel H Piles, HP 14 x 73 (360 x 108)	ft (m)	minimum 1 / Source / Contract	Steel Materials Tested at Plant: M183
618063	Steel H Test Piles, HP 12 x 53 (310 x 79)	ft (m)	minimum 1 / Source / Contract	Steel Materials Tested at Plant: M183
618064	Steel H Test Piles, HP 12 x 74 (310 x 110)	ft (m)	minimum 1 / Source / Contract	Steel Materials Tested at Plant: M183

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
618065	Steel H Test Piles, HP 14 x 73 (360 x 108)	ft (m)	minimum 1 / Source / Contract	Steel Materials Tested at Plant: M183
618066	Steel H Piles, HP 10 x 42 (250 x 62)	ft (m)	minimum 1 / Source / Contract	Steel Materials Tested at Plant: M183
618067	Steel H Test Piles, HP 10 x 42 (250 x 62)	ft (m)	minimum 1 / Source / Contract	Steel Materials Tested at Plant: M183
618068	Steel H Test Piles, HP 12 x 63 (310 x 94)	ft (m)	minimum 1 / Source / Contract	Steel Materials Tested at Plant: M183
618069	Steel H Piles, HP 12 x 84 (310 x 125)	ft (m)	minimum 1 / Source / Contract	Steel Materials Tested at Plant: M183
618070	Steel H Test Piles, HP 12 x 84 (310 x 125)	ft (m)	minimum 1 / Source / Contract	Steel Materials Tested at Plant: M183
618080	Furnish Precast Prestressed Concrete Pile, 12" x 12" (300 x 300mm)	ft (m)	See Division 600	Bar Reinforcement shall conform to M31, M284; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements, Prestressing Strands shall conform to M 203 grade 270, Cold Drawn Wire shall conform to M32
618081	Furnish Precast Prestressed Concrete Pile, 14" x 14" (350 x 350mm)	ft (m)	See Division 600	Bar Reinforcement shall conform to M31, M284; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements, Prestressing Strands shall conform to M 203 grade 270, Cold Drawn Wire shall conform to M32
618082	Furnish Precast Prestressed Concrete Pile, 16" x 16" (400 x 400mm)	ft (m)	See Division 600	Bar Reinforcement shall conform to M31, M284; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements, Prestressing Strands shall conform to M 203 grade 270, Cold Drawn Wire shall conform to M32
618083	Furnish Precast Prestressed Concrete Pile, 18" x 18" (450 x 450mm)	ft (m)	See Division 600	Bar Reinforcement shall conform to M31, M284; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements, Prestressing Strands shall conform to M 203 grade 270, Cold Drawn Wire shall conform to M32
618084	Furnish Precast Prestressed Concrete Pile, 20" x 20" (500 x 500mm)	ft (m)	See Division 600	Bar Reinforcement shall conform to M31, M284; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements, Prestressing Strands shall conform to M 203 grade 270, Cold Drawn Wire shall conform to M32
618085	Furnish Precast Prestressed Concrete Pile, 24" x 24" (600 x 600mm)	ft (m)	See Division 600	Bar Reinforcement shall conform to M31, M284; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements, Prestressing Strands shall conform to M 203 grade 270, Cold Drawn Wire shall conform to M32

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
618090	Furnish Precast Prestressed Concrete Test Pile, 12" x 12" (300 x 300mm)	ft (m)	See Division 600	Bar Reinforcement shall conform to M31, M284; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements, Prestressing Strands shall conform to M 203 grade 270, Cold Drawn Wire shall conform to M32
618091	Furnish Precast Prestressed Concrete Test Pile, 14" x 14" (350 x 350mm)	ft (m)	See Division 600	Bar Reinforcement shall conform to M31, M284; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements, Prestressing Strands shall conform to M 203 grade 270, Cold Drawn Wire shall conform to M32
618092	Furnish Precast Prestressed Concrete Test Pile, 16" x 16" (400 x 400mm)	ft (m)	See Division 600	Bar Reinforcement shall conform to M31, M284; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements, Prestressing Strands shall conform to M 203 grade 270, Cold Drawn Wire shall conform to M32
618093	Furnish Precast Prestressed Concrete Test Pile, 18" x 18" (450 x 450mm)	ft (m)	See Division 600	Bar Reinforcement shall conform to M31, M284; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements, Prestressing Strands shall conform to M 203 grade 270, Cold Drawn Wire shall conform to M32
618094	Furnish Precast Prestressed Concrete Test Pile, 20" x 20" (500 x 500mm)	ft (m)	See Division 600	Bar Reinforcement shall conform to M31, M284; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements, Prestressing Strands shall conform to M 203 grade 270, Cold Drawn Wire shall conform to M32
618095	Furnish Precast Prestressed Concrete Test Pile, 24" x 24" (600 x 600mm)	ft (m)	See Division 600	Bar Reinforcement shall conform to M31, M284; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements, Prestressing Strands shall conform to M 203 grade 270, Cold Drawn Wire shall conform to M32
619503	Pile Encasement, 12" (300mm) Round Pile	ft (m)	minimum 1 / Source / Contract	Concrete Tested Through T22, T23, or ASTM C39-86, also Subject to Division 600, Outer Jacket Certified Using Results from ASTM D638, ASTM D790, ASTM D785, ASTM D256
619504	Pile Encasement, 14" (350mm) Round Pile	ft (m)	minimum 1 / Source / Contract	Concrete Tested Through T22, T23, or ASTM C39-86, also Subject to Division 600, Outer Jacket Certified Using Results from ASTM D638, ASTM D790, ASTM D785, ASTM D256
619505	Pile Encasement, 16" (400mm) Round Pile	ft (m)	minimum 1 / Source / Contract	Concrete Tested Through T22, T23, or ASTM C39-86, also Subject to Division 600, Outer Jacket Certified Using Results from ASTM D638, ASTM D790, ASTM D785, ASTM D256

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
619506	Pile Encasement, 18" (450mm) Round Pile	ft (m)	minimum 1 / Source / Contract	Concrete Tested Through T22, T23, or ASTM C39-86, also Subject to Division 600, Outer Jacket Certified Using Results from ASTM D638, ASTM D790, ASTM D785, ASTM D256
619507	Pile Encasement, 16" (400mm) Square Pile	ft (m)	minimum 1 / Source / Contract	Concrete Tested Through T22, T23, or ASTM C39-86, also Subject to Division 600, Outer Jacket Certified Using Results from ASTM D638, ASTM D790, ASTM D785, ASTM D256
620530	Augercast Piles	ft (m)	minimum 1 / Source / Contract, See Division 600	Concrete tested through T22, T23, or ASTM C39-86, also subject to Division 600
620535	Furnishing Prestressed Concrete Cylinder Piles, 54" (1372mm)	ft (m)	See Division 600	Prestressing Strands should conform to M 203 grade 270, Cold Drawn Wire shall conform to M32; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements
620539	Furnishing Prestressed Concrete Cylinder Test Piles, 54" (1372mm)	ft (m)	See Division 600	Prestressing Strands should conform to M 203 grade 270, Cold Drawn Wire shall conform to M32; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements
621020	Timber Sheet Piles - Treated	ft ³ (m ³)	minimum 1 / Source / Contract	Visual Inspection for Surface Defects, Certification that timber is a Species that Will Withstand Driving Without Injury
621021	Timber Sheet Piles - Untreated	ft ³ (m ³)	minimum 1 / Source / Contract	Visual Inspection for Surface Defects, Certification that timber is a Species that Will Withstand Driving Without Injury
622001	Steel Sheet Piles, PZ 22 (Unprotected)	ft (m)	minimum 1 / Source / Contract	Certification: M202, ASTM A690
622002	Steel Sheet Piles, PZ 27 (Unprotected)	ft (m)	minimum 1 / Source / Contract	Certification: M202, ASTM A690
622003	Steel Sheet Piles, PZ 35 (Unprotected)	ft (m)	minimum 1 / Source / Contract	Certification: M202, ASTM A690
622004	Steel Sheet Piles, PZ 40 (Unprotected)	ft (m)	minimum 1 / Source / Contract	Certification: M202, ASTM A690
622005	Steel Sheet Piles, PS 31 (Unprotected)	ft (m)	minimum 1 / Source / Contract	Certification: M202, ASTM A690
622006	Steel Sheet Piles, PS 27.5	ft (m)	minimum 1 / Source / Contract	Certification: M202, ASTM A690
622007	Steel Sheet Piles, PZ 22	ft (m)	minimum 1 / Source / Contract	Certification: M202, ASTM A690
622008	Steel Sheet Piles, PZ 27	ft (m)	minimum 1 / Source / Contract	Certification: M202, ASTM A690
622009	Steel Sheet Piles, PZ 35	ft (m)	minimum 1 / Source / Contract	Certification: M202, ASTM A690
622010	Steel Sheet Piles, PZ 40	ft (m)	minimum 1 / Source / Contract	Certification: M202, ASTM A690
622011	Steel Sheet Piles, PS 31	ft (m)	minimum 1 / Source / Contract	Certification: M202, ASTM A690
622012	Steel Sheet Piles, PSA-23	ft (m)	minimum 1 / Source / Contract	Certification: M202, ASTM A690
622502	Aluminum Sheet Pile, PZH-1	ft (m)	minimum 1 / Source / Contract	Certification that Cap, Wale, Sheeting, Anchor Rods, and Backing Beams Conform to ASTM B221 alloy 6061, Stainless Steel Certified to Meet ASTM A 193B8, Certified Materials from Test Results by AASHTO T68

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
622503	Aluminum Sheet Pile, PZH-3	ft (m)	minimum 1 / Source / Contract	Certification that Cap, Wale, Sheeting, Anchor Rods, and Backing Beams Conform to ASTM B221 alloy 6061, Stainless Steel Certified to Meet ASTM A 193B8, Certified Materials from Test Results by AASHTO T68
622504	Aluminum Sheet Pile, PZH-7	ft (m)	minimum 1 / Source / Contract	Certification that Cap, Wale, Sheeting, Anchor Rods, and Backing Beams Conform to ASTM B221 alloy 6061, Stainless Steel Certified to Meet ASTM A 193B8, Certified Materials from Test Results by AASHTO T68
622508	Precast Prestressed Concrete Sheet Piles	ft (m)	minimum 1 / Source / Contract, See Division 600	Bar Reinforcement shall conform to M31, M284; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements, Prestressing Strands should conform to M 203 grade 270, Cold Drawn Wire shall conform to M32
622509	Precast Prestressed Concrete Test Sheet Piles	ft (m)	minimum 1 / Source / Contract, See Division 600	Bar Reinforcement shall conform to M31, M284; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements, Prestressing Strands should conform to M 203 grade 270, Cold Drawn Wire shall conform to M32
623000	Prestressed Reinforced Concrete Members	L.S. (L.S.)	minimum 1 / Source / Contract, See Division 600	Bar Reinforcement shall conform to M31, M284; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements, Prestressing Strands should conform to M 203 grade 270, Cold Drawn Wire shall conform to M32
623001	Prestressed Reinforced Concrete Member, I - Beams	L.S. (L.S.)	minimum 1 / Source / Contract, See Division 600	Prestressing Strands shall conform to M 203 grade 270, Cold Drawn Wire shall conform to M32; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements
623002	Prestressed Reinforced Concrete Member, Box-Beams	L.S. (L.S.)	minimum 1 / Source / Contract, See Division 600	Prestressing Strands shall conform to M 203 grade 270, Cold Drawn Wire shall conform to M32; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements
623500	Prestressed Concrete Cylinder Piles, 36" (914mm)	ft (m)	minimum 1 / Source / Contract, See Division 600	Prestressing Strands shall conform to M 203 grade 270, Cold Drawn Wire shall conform to M32; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements
623501	Prestressed Concrete Cylinder Test Piles, 36" (914mm)	ft (m)	minimum 1 / Source / Contract, See Division 600	Prestressing Strands shall conform to M 203 grade 270, Cold Drawn Wire shall conform to M32; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements
623513	Post Tensioning Thread Bars	lb (kg)	minimum 1 / Source / Contract	Certification of Bars to Conform to AASHTO M275M, Nuts to ASTM A536
623514	Post Tensioning Strands	lb (kg)	minimum 1 / Source / Contract	Certified to Meet AASHTO M203M (ASTM A416M)

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
623515	Precast Concrete Segmental Construction	L.S. (L.S.)	minimum 1 / Source / Contract, See Division 600	Bar Reinforcement shall conform to M31, M284; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements
623516	Precast Concrete Segments, Epoxy Joints	Each	minimum 1 / Source / Contract, See Division 600	Bar Reinforcement shall conform to M31, M284; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements
623521	Precast Prestressed Concrete, Sheet Piles, 6" (152mm)	ft ² (m ²)	minimum 1 / Source / Contract, See Division 600	Prestressing Strands should conform to AASHTO M 203 grade 270, Cold Drawn Wire shall conform to M32; Concrete tested by AASHTO T22, T23, or ASTM C39-86; also subject to Division 600 requirements
623522	Precast Prestressed Concrete, Sheet Piles, 8" (203mm)	ft ² (m ²)	minimum 1 / Source / Contract, See Division 600	Prestressing Strands shall conform to M 203 grade 270, Cold Drawn Wire shall conform to M32; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements
623523	Precast Prestressed Concrete, Sheet Piles, 10" (254mm)	ft ² (m ²)	minimum 1 / Source / Contract, See Division 600	Prestressing Strands shall conform to M 203 grade 270, Cold Drawn Wire shall conform to M32; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements
623524	Precast Prestressed Concrete, Sheet Piles, 12 (305mm)	ft ² (m ²)	minimum 1 / Source / Contract, See Division 600	Prestressing Strands shall conform to M 203 grade 270, Cold Drawn Wire shall conform to M32; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements
623525	High Performance Prestressed Reinforced Concrete Members	L.S. (L.S.)	minimum 1 / Source / Contract, See Division 600	Prestressing Strands shall conform to M 203 grade 270, Cold Drawn Wire shall conform to M32; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements
623526	Precast Prestressed Concrete Sheet Piles, 16" (400mm)	ft ² (m ²)	minimum 1 / Source / Contract, See Division 600	Prestressing Strands shall conform to M 203 grade 270, Cold Drawn Wire shall conform to M32; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements
623527	Precast Prestressed Concrete Test sheet Piles, 16" (400mm)	ft ² (m ²)	minimum 1 / Source / Contract, See Division 600	Prestressing Strands shall conform to M 203 grade 270, Cold Drawn Wire shall conform to M32; Concrete tested by T22, T23, or ASTM C39-86; also subject to Division 600 requirements
701001	Portland Cement Concrete Gutter, 4" (100mm)	ft ² (m ²)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
701002	Portland Cement Concrete Gutter, 6" (150mm)	ft ² (m ²)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
701003	Portland Cement Concrete Gutter, 8" (200mm)	ft ² (m ²)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
701004	Portland Cement Concrete Valley Gutter, 8" (200mm)	ft ² (m ²)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
701010	Portland Cement Concrete Curb, Type 1	ft (m)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
701011	Portland Cement Concrete Curb, Type 2	ft (m)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
701012	Portland Cement Concrete Curb, Type 3	ft (m)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
701020	Integral Portland Cement Concrete Curb and Gutter, Type 1	ft (m)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
701021	Integral Portland Cement Concrete Curb and Gutter, Type 2	ft (m)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
701022	Integral Portland Cement Concrete Curb and Gutter, Type 3	ft (m)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
701023	Integral Portland Cement Concrete Curb and Gutter, Type 4	ft (m)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
701024	Integral Portland Cement Concrete Curb and Gutter, Type 4 Modified	ft (m)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
701025	Integral Portland Cement Concrete Curb and Gutter, Type 2 Modified	ft (m)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
701026	Portland Cement Concrete Monolithic Median	ft (m)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
701027	Portland Cement Concrete Curb, Type 1 Modified	ft (m)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
701028	Integral Portland Cement Concrete Curb and Gutter, Type 3 Modified	ft (m)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
701500	Integral Portland Cement Concrete Curb and Gutter, Special	ft (m)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
701502	Stone Curb	ft (m)	minimum 1 / Source / Contract See Division 700	Concrete tested by T22, T23, or ASTM C39, also Division 700 Requirements, Mortar to M 85
701503	Curved Stone Curb	ft (m)	minimum 1 / Source / Contract See Division 700	Concrete tested by T22, T23, or ASTM C39, also Division 700 Requirements, Mortar to M 85
701504	Edger Stone	ft (m)	minimum 1 / Source / Contract See Division 700	Concrete tested by T22, T23, or ASTM C39, also Division 700 Requirements, Mortar to M 85, Reinforcement Certified; Edger stones cut granite block.

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
701505	P.C.C. Parking Bumper	Each	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
701507	Portland Cement Concrete Curb, Special	ft (m)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
702500	P.C.C. Median Curb	ft (m)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
702502	Precast P.C.C. Curb	ft (m)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
702505	Edging Curb	ft (m)	See Division 700	Tested in Accordance to Division 700 Requirements
703501	P.C.C. Monolithic Median Curb	ft (m)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
704501	Timber Parking Bumper	Each	minimum 1 / Source / Contract	Visual Inspection, Certification to meet AASHTO M168 and ANSI / AITC A190.1
705001	P.C.C. Sidewalk, 4" (100mm)	ft ² (m ²)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
705002	P.C.C. Sidewalk, 6 (150mm)	ft ² (m ²)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
705003	P.C.C. Sidewalk, 4" (100mm) Modified	ft ² (m ²)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
705004	P.C.C. Sidewalk, 6 (150mm) Modified	ft ² (m ²)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
705005	P.C.C. Sidewalk, 7 1/2 " (188mm)	ft ² (m ²)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
705006	P.C.C. Sidewalk, Variable Depth	ft ² (m ²)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
705500	P.C.C. Crossable Median	yd ² (m ²)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
705501	Curb Ramp, Type 1	Each	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
705502	Curb Ramp, Type 2	Each	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
705504	Curb Ramp, Type 2, 3, and / or 4	ft ² (m ²)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
705507	Curb Ramp, Type 5	Each	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
705509	Patterned Portland Cement Concrete Sidewalk, 4" (100mm)	ft ² (m ²)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
705517	Portland Cement Concrete Sidewalk, Special	ft ² (m ²)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
705519	Patterned Portland Cement Concrete Sidewalk, 6" (150mm)	ft ² (m ²)	See Division 700	T22, T23, or ASTM C39-86, also Division 700 Requirements
707001	Corrugated Metal Downspouts, 8" (200mm)	ft (m)	minimum 1 / Source / Contract	Certification of Pipe to AASHTO M 36 / M 36M, Splash Aprons and Intake Aprons and Intake Basins Must Conform to Division 700
707002	Corrugated Metal Downspouts, 10" (250mm)	ft (m)	minimum 1 / Source / Contract	Certification of Pipe to AASHTO M 36 / M 36M, Splash Aprons and Intake Aprons and Intake Basins Must Conform to Division 700
707003	Corrugated Metal Downspouts, 12" (300mm)	ft (m)	minimum 1 / Source / Contract	Certification of Pipe to AASHTO M 36 / M 36M, Splash Aprons and Intake Aprons and Intake Basins Must Conform to Division 700
707004	Corrugated Metal Downspouts, 15" (375mm)	ft (m)	minimum 1 / Source / Contract	Certification of Pipe to AASHTO M 36 / M 36M, Splash Aprons and Intake Aprons and Intake Basins Must Conform to Division 700

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
707005	Downspout Splash Aprons	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 700 Requirements
707006	Intake Aprons	Each	minimum 1 / Source / Contract See Division 700	Concrete T22, T23, or ASTM C39-86, also Division 700 Requirements
707007	Intake Basin	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 700 Requirements
707008	Corrugated Metal Downspouts, 18" (450mm)	ft (m)	minimum 1 / Source / Contract	Certification, M36
708040	Drainage Inlet, Type 1	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39, also Division 700 Requirements, Castings must conform to M105, Class 30, Gratings must Conform to ASTM A48, Class 30, Steps must Conform to M 31 / M 31M, ASTM A478, and D4101
708041	Drainage Inlet, Type 2	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39, also Division 700 Requirements, Castings must conform to M105, Class 30, Gratings must Conform to ASTM A48, Class 30, Steps must Conform to M 31 / M 31M, ASTM A478, and D4101
708042	Drainage Inlet, Type 3	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39, also Division 700 Requirements, Castings must conform to M105, Class 30, Gratings must Conform to ASTM A48, Class 30, Steps must Conform to M 31 / M 31M, ASTM A478, and D4101
708043	Drainage Inlet, Type 4	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39, also Division 700 Requirements, Castings must conform to M105, Class 30, Gratings must Conform to ASTM A48, Class 30, Steps must Conform to M 31 / M 31M, ASTM A478, and D4101
708044	Drainage Inlet, Type 5	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39, also Division 700 Requirements, Castings must conform to M105, Class 30, Gratings must Conform to ASTM A48, Class 30, Steps must Conform to M 31 / M 31M, ASTM A478, and D4101
708100	Manhole, Type 1	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39, also Division 700 Requirements, Castings must conform to M105, Class 30, Gratings must Conform to ASTM A48, Class 30, Steps must Conform to M 31 / M 31M, ASTM A478, and D4101

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
708101	Manhole, Type 2	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39, also Division 700 Requirements, Castings must conform to M105, Class 30, Gratings must Conform to ASTM A48, Class 30, Steps must Conform to M 31 / M 31M, ASTM A478, and D4101
708102	Manhole, Type 3	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39, also Division 700 Requirements, Castings must conform to M105, Class 30, Gratings must Conform to ASTM A48, Class 30, Steps must Conform to M 31 / M 31M, ASTM A478, and D4101
708103	Manhole, Type 4	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39, also Division 700 Requirements, Castings must conform to M105, Class 30, Gratings must Conform to ASTM A48, Class 30, Steps must Conform to M 31 / M 31M, ASTM A478, and D4101
708104	Manhole, Type 5	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39, also Division 700 Requirements, Castings must conform to M105, Class 30, Gratings must Conform to ASTM A48, Class 30, Steps must Conform to M 31 / M 31M, ASTM A478, and D4101
708105	Manhole (Sanitary)	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39, also Division 700 Requirements, Castings must conform to M105, Class 30, Gratings must Conform to ASTM A48, Class 30, Steps must Conform to M 31 / M 31M, ASTM A478, and D4101
708106	Manhole, Type A	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39, also Division 700 Requirements, Castings must conform to M105, Class 30, Gratings must Conform to ASTM A48, Class 30, Steps must Conform to M 31 / M 31M, ASTM A478, and D4101
708107	Manhole, Round	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39, also Division 700 Requirements, Castings must conform to M105, Class 30, Gratings must Conform to ASTM A48, Class 30, Steps must Conform to M 31 / M 31M, ASTM A478, and D4101
708509	Catch Basin, Special	Each	minimum 1 / Source / Contract See Division 700	Castings Shall conform to M 105, Gratings ASTM A 48, Class 30, Steps M31 and ASTM A 478, and D4101, Portland Cement Concrete T22, T23, or ASTM C39-86, also Division 700 requirements

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
708512	Catch Basin, Special I	Each	minimum 1 / Source / Contract See Division 700	Castings Shall conform to M 105, Gratings ASTM A 48, Class 30, Steps M31 and ASTM A 478, and D4101, Portland Cement Concrete T22, T23, or ASTM C39-86, also Division 700 requirements
708513	Catch Basin, Special II	Each	minimum 1 / Source / Contract See Division 700	Castings Shall conform to M 105, Gratings ASTM A 48, Class 30, Steps M31 and ASTM A 478, and D4101, Portland Cement Concrete T22, T23, or ASTM C39-86, also Division 700 requirements
708514	Catch Basin, Special III	Each	minimum 1 / Source / Contract See Division 700	Castings Shall conform to M 105, Gratings ASTM A 48, Class 30, Steps M31 and ASTM A 478, and D4101, Portland Cement Concrete T22, T23, or ASTM C39-86, also Division 700 requirements
708515	Catch Basin, Special IV	Each	minimum 1 / Source / Contract See Division 700	Castings Shall conform to M 105, Gratings ASTM A 48, Class 30, Steps M31 and ASTM A 478, and D4101, Portland Cement Concrete T22, T23, or ASTM C39-86, also Division 700 requirements
708516	Catch Basin, Special V	Each	minimum 1 / Source / Contract See Division 700	Castings Shall conform to M 105, Gratings ASTM A 48, Class 30, Steps M31 and ASTM A 478, and D4101, Portland Cement Concrete T22, T23, or ASTM C39-86, also Division 700 requirements
708517	Catch Basin, Special VI	Each	minimum 1 / Source / Contract See Division 700	Castings Shall conform to M 105, Gratings ASTM A 48, Class 30, Steps M31 and ASTM A 478, and D4101, Portland Cement Concrete T22, T23, or ASTM C39-86, also Division 700 requirements
708518	Catch Basin, Special VII	Each	minimum 1 / Source / Contract See Division 700	Castings Shall conform to M 105, Gratings ASTM A 48, Class 30, Steps M31 and ASTM A 478, and D4101, Portland Cement Concrete T22, T23, or ASTM C39-86, also Division 700 requirements
708520	Catch Basin Circular COG, 5' (1.5m)	Each	minimum 1 / Source / Contract See Division 700	Castings Shall conform to M 105, Gratings ASTM A 48, Class 30, Steps M31 and ASTM A 478, and D4101, Portland Cement Concrete T22, T23, or ASTM C39-86, also Division 700 requirements

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
708521	Catch Basin Circular COG, 10' (3m)	Each	minimum 1 / Source / Contract See Division 700	Castings Shall conform to M 105, Gratings ASTM A 48, Class 30, Steps M31 and ASTM A 478, and D4101, Portland Cement Concrete T22, T23, or ASTM C39-86, also Division 700 requirements
708523	Catch Basin Circular COG, 15' (4.6m)	Each	minimum 1 / Source / Contract See Division 700	Castings Shall conform to M 105, Gratings ASTM A 48, Class 30, Steps M31 and ASTM A 478, and D4101, Portland Cement Concrete T22, T23, or ASTM C39-86, also Division 700 requirements
708524	Catch Basin Circular COG, 20' (6.1m)	Each	minimum 1 / Source / Contract See Division 700	Castings Shall conform to M 105, Gratings ASTM A 48, Class 30, Steps M31 and ASTM A 478, and D4101, Portland Cement Concrete T22, T23, or ASTM C39-86, also Division 700 requirements
708525	Catch Basin Circular COS, 5' (1.5m)	Each	minimum 1 / Source / Contract See Division 700	Castings Shall conform to M 105, Gratings ASTM A 48, Class 30, Steps M31 and ASTM A 478, and D4101, Portland Cement Concrete T22, T23, or ASTM C39-86, also Division 700 requirements
708526	Catch Basin Circular COS, 10' (3m)	Each	minimum 1 / Source / Contract See Division 700	Castings Shall conform to M 105, Gratings ASTM A 48, Class 30, Steps M31 and ASTM A 478, and D4101, Portland Cement Concrete T22, T23, or ASTM C39-86, also Division 700 requirements
708527	Catch Basin Circular COS, 15' (4.6m)	Each	minimum 1 / Source / Contract See Division 700	Castings Shall conform to M 105, Gratings ASTM A 48, Class 30, Steps M31 and ASTM A 478, and D4101, Portland Cement Concrete T22, T23, or ASTM C39-86, also Division 700 requirements
708528	Catch Basin Circular COS, 20' (6.1m)	Each	minimum 1 / Source / Contract See Division 700	Castings Shall conform to M 105, Gratings ASTM A 48, Class 30, Steps M31 and ASTM A 478, and D4101, Portland Cement Concrete T22, T23, or ASTM C39-86, also Division 700 requirements
708539	Sand Filter	Each	minimum 1 / Source / Contract See Division 700	Portland Cement Concrete; T22, T23, or ASTM C39-86; also Division 700 requirements; Castings and Gratings must conform to M 105 Class 30, Gratings must be ASTM A 36 Steel, Galvanization according to M 111

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
708540	Sand Filter, Special I	Each	minimum 1 / Source / Contract See Division 700	Portland Cement Concrete; T22, T23, or ASTM C39-86; also Division 700 requirements; Castings and Gratings must conform to M 105 Class 30, Gratings must be ASTM A 36 Steel, Galvanization according to M 111
708541	Sand Filter, Special, II	Each	minimum 1 / Source / Contract See Division 700	Portland Cement Concrete; T22, T23, or ASTM C39-86; also Division 700 requirements; Castings and Gratings must conform to M 105 Class 30, Gratings must be ASTM A 36 Steel, Galvanization according to M 111
708542	Catch Basin Square COG, 5' (1.5m)	Each	minimum 1 / Source / Contract See Division 700	Castings Shall conform to M 105, Gratings ASTM A 48, Class 30, Steps M31 and ASTM A 478, and D4101, Portland Cement Concrete T22, T23, or ASTM C39-86, also Division 700 requirements
708543	Catch Basin Square COG, 10' (3m)	Each	minimum 1 / Source / Contract See Division 700	Castings Shall conform to M 105, Gratings ASTM A 48, Class 30, Steps M31 and ASTM A 478, and D4101, Portland Cement Concrete T22, T23, or ASTM C39-86, also Division 700 requirements
708544	Catch Basin Square COG, 15' (4.6m)	Each	minimum 1 / Source / Contract See Division 700	Castings Shall conform to M 105, Gratings ASTM A 48, Class 30, Steps M31 and ASTM A 478, and D4101, Portland Cement Concrete T22, T23, or ASTM C39-86, also Division 700 requirements
708545	Catch Basin Square COS, 10' (3m)	Each	minimum 1 / Source / Contract See Division 700	Castings Shall conform to M 105, Gratings ASTM A 48, Class 30, Steps M31 and ASTM A 478, and D4101, Portland Cement Concrete T22, T23, or ASTM C39-86, also Division 700 requirements
708546	Catch Basin Square COS, 15' (4.6m)	Each	minimum 1 / Source / Contract See Division 700	Castings Shall conform to M 105, Gratings ASTM A 48, Class 30, Steps M31 and ASTM A 478, and D4101, Portland Cement Concrete T22, T23, or ASTM C39-86, also Division 700 requirements
708549	Catch Basin Square COS, 20' (6.1m)	Each	minimum 1 / Source / Contract See Division 700	Castings Shall conform to M 105, Gratings ASTM A 48, Class 30, Steps M31 and ASTM A 478, and D4101, Portland Cement Concrete T22, T23, or ASTM C39-86, also Division 700 requirements

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
708577	Sanitary Manhole, Special I	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 700 Requirements, Castings must conform to M105, Class 30, Gratings must Conform to ASTM A48, Class 30, Steps must Conform to M 31 / M 31M, ASTM A478, and D4101
708578	Sanitary Manhole, Special II	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 700 Requirements, Castings must conform to M105, Class 30, Gratings must Conform to ASTM A48, Class 30, Steps must Conform to M 31 / M 31M, ASTM A478, and D4101
708580	Manhole Cover	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 700 Requirements, Castings must conform to M105, Class 30, Gratings must Conform to ASTM A48, Class 30, Steps must Conform to M 31 / M 31M, ASTM A478, and D4101
708851	Manhole Frame	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 700 Requirements, Castings must conform to M105, Class 30, Gratings must Conform to ASTM A48, Class 30, Steps must Conform to M 31 / M 31M, ASTM A478, and D4101
709502	Manhole, Communications	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 700 Requirements, Castings must conform to M105, Class 30, Gratings must Conform to ASTM A48, Class 30, Steps must Conform to M 31 / M 31M, ASTM A478, and D4101
709511	Manhole, Electric	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 700 Requirements, Castings must conform to M105, Class 30, Gratings must Conform to ASTM A48, Class 30, Steps must Conform to M 31 / M 31M, ASTM A478, and D4101
709512	Manhole, Special I	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 700 Requirements, Castings must conform to M105, Class 30, Gratings must Conform to ASTM A48, Class 30, Steps must Conform to M 31 / M 31M, ASTM A478, and D4101

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
709513	Manhole, Special II	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 700 Requirements, Castings must conform to M105, Class 30, Gratings must Conform to ASTM A48, Class 30, Steps must Conform to M 31 / M 31M, ASTM A478, and D4101
709516	Sanitary Air Release Manhole	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 700 Requirements, Castings must conform to M105, Class 30, Gratings must Conform to ASTM A48, Class 30, Steps must Conform to M 31 / M 31M, ASTM A478, and D4101
709517	Sanitary Blow off Manhole	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 700 Requirements, Castings must conform to M105, Class 30, Gratings must Conform to ASTM A48, Class 30, Steps must Conform to M 31 / M 31M, ASTM A478, and D4101
709519	HTHW Manhole, Special I	Each	minimum 1 / Source/Contract	Certification of Materials to meet Specifications; Pipe to meet ASTM A 53, Grade B, Schedule 80
709520	HTHW Manhole, Special II	Each	minimum 1 / Source/Contract	Certification of Materials to meet Specifications; Pipe to meet ASTM A 53, Grade B, Schedule 80
709521	HTHW Manhole, Special III	Each	minimum 1 / Source/Contract	Certification of Materials to meet Specifications; Pipe to meet ASTM A 53, Grade B, Schedule 80
709522	HTHW Manhole, Special I	Each	minimum 1 / Source/Contract	Certification of Materials to meet Specifications; Pipe to meet ASTM A 53, Grade B, Schedule 80
709525	Manhole, Special III	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 700 Requirements, Castings must conform to M105, Class 30, Gratings must Conform to ASTM A48, Class 30, Steps must Conform to M 31 / M 31M, ASTM A478, and D4101
710512	Portland Cement Concrete Cover	Each	minimum 1 / Source / Contract See Division 700	Certification, Reinforcement M31, M284, Concrete T22, T23, or ASTM C39-86, also Division 700 Requirements, Castings must conform to M105, Class 30, Gratings must Conform to ASTM A48, Class 30, Steps must Conform to M 31 / M 31M, ASTM A478, and D4101
712020	Riprap, R-4	Ton (t)	minimum 1 / Source/Contract	Visual Inspection for Gradation / Source
712021	Riprap, R-5	Ton (t)	minimum 1 / Source/Contract	Visual Inspection for Gradation / Source

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
712022	Riprap, R-6	Ton (t)	minimum 1 / Source/Contract	Visual Inspection for Gradation / Source
712023	Riprap, R-7	Ton (t)	minimum 1 / Source/Contract	Visual Inspection for Gradation / Source
712030	Presacked Concrete Riprap	yd ³ (m ³)	minimum 1 / Source/Contract	Visual Inspection for Gradation / Source
712507	Stone for Filter Bed	Ton (t)	minimum 1 / Source/Contract	T 27, C 127
712508	Stone for Pier Armor	Ton (t)	minimum 1 / Source/Contract	T 27, C 127
712509	Stone for Channel Armor	Ton (t)	minimum 1 / Source/Contract	T 27, C 127
712517	Articulated Pre-Cast Concrete Blocks	ft ² (m ²)	minimum 1 / Source / Contract See Division 700	Concrete T22, T23 or ASTM C39-86, also Division 700 requirements; Reinforcement M31, M234; Geotextile MIRAFI 1100N or Trevira 1135 or approved equal; wire AISI 201; 301, 302 or 316 Standards, in accordance with ASTM A 479-90; tested in Practice E of ASTM A 262-90
712521	Riprap, Special	yd ² (m ²)	minimum 1 / Source/ Contract	Gradation controlled by visual inspection, Certification of Geotextile to be Mirafi 700X or Erosion 1 (Synthetic Industries) or Poly-Filter X (Carthage Mills) or TertsTex Ep (WEBTEC, Inc.)
712527	Turf Reinforcing Mat	yd ² (m ²)	minimum 1 / Source/ Contract	Certification to Physical Properties Test Results From ASTM D4595, D5035, D4355, D1777, D5621
712528	Rock, Special	Ton (t)	minimum 1 / Source/ Contract	AASHTO T85, Gradation Controlled by Visual Inspection
713001	Geotextiles, Stabilization	yd ² (m ²)	minimum 1 / Source/ Contract	Certification of Conformance to M 288, Class 1
713002	Geotextiles, Separation	yd ² (m ²)	minimum 1 / Source/ Contract	Certification of Conformance to M 288, Class 2
713003	Geotextiles, Riprap	yd ² (m ²)	minimum 1 / Source/ Contract	Pins Certified to Meet Size and Material Requirements, Visual Inspection of Riprap for Gradation, Visual Inspection of Seed, Certification of Mulch, Stone T11, T19, T27, T85, T96, Certification of Geotextile to be Mirafi 700X or Erosion 1 (Synthetic Industries), Linq GTF 400E or Poly-Filter X (Carthage Mills), TerraTex Ep (WEBTEC, Inc.) or an approved equal
715000	Perforated Pipe Underdrains, 4" (100mm)	ft (m)	minimum 1 / Source/ Contract	Certification to M294-90 for pipe; T27 for Stone, Certification of Filter Fabric
715001	Perforated Pipe Underdrains, 6" (150mm)	ft (m)	minimum 1 / Source/ Contract	Certification to M294-90 for pipe; T27 for Stone, Certification of Filter Fabric
715002	Perforated Pipe Underdrains, 8" (200mm)	ft (m)	minimum 1 / Source/ Contract	Certification to M294-90 for pipe; T27 for Stone, Certification of Filter Fabric
715003	Perforated Pipe Underdrains, 10" (250mm)	ft (m)	minimum 1 / Source/ Contract	Certification to M294-90 for pipe; T27 for Stone, Certification of Filter Fabric
715004	Perforated Pipe Underdrains, 12" (300mm)	ft (m)	minimum 1 / Source/ Contract	Certification to M294-90 for pipe; T27 for Stone, Certification of Filter Fabric

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
715005	Perforated Pipe Underdrains, 15" (375mm)	ft (m)	minimum 1 / Source/ Contract	Certification to M294-90 for pipe; T27 for Stone, Certification of Filter Fabric
715007	Perforated Pipe Underdrains, 24" (600mm)	ft (m)	minimum 1 / Source/ Contract	Certification to M294-90 for pipe; T27 for Stone, Certification of Filter Fabric
715008	Perforated Pipe Underdrains, 18" (450mm)	ft (m)	minimum 1 / Source/ Contract	Certification to M294-90 for pipe; T27 for Stone, Certification of Filter Fabric
715009	Perforated Pipe Underdrains, 60" (1500mm)	ft (m)	minimum 1 / Source/ Contract	Certification to M294-90 for pipe; T27 for Stone, Certification of Filter Fabric
715500	Underdrain Outlet Pipe, 6" (150mm)	ft (m)	minimum 1 / Source/ Contract	Pipe must conform to M 36/M 36M Class 1, no requirements for stone and filter fabric
715504	Underdrain Outlet Pipe, 8" (200mm)	ft (m)	minimum 1 / Source/ Contract	Pipe must conform to M 36/M 36M Class 1, no requirements for stone and filter fabric
715514	Geotextile Filter	yd ² (m ²)	minimum 1 / Source/ Contract	Certification: Technical Literature; tests performed for data ASTM D 4491, ASTM D 4751, ASTM D 4632, ASTM D 3786
717000	Permanent Roadway Drains	ft (m)	minimum 1 / Source/ Contract	T19, T27
718000	Roof Drains	ft (m)	minimum 1 / Source/ Contract	Certification of PVC to Meet ASTM D 3034, Steel to meet ASTM A 53 with galvanization conforming to M 111/M 111M
718500	Sump Drain	ft (m)	minimum 1 / Source / Contract See Division 700	Certification of PVC to Meet ASTM D 3034, Steel to meet ASTM A 53 with galvanization conforming to M 111/M 111M, Concrete AASHTO T22, T23, or ASTM C39-86, also Division 700
718501	Trench Drain, 12" (300mm) Wide	ft (m)	minimum 1 / Source	Certification of Reinforcement to M31, M284, Solid Concrete Block to ASTM C 139, Castings Manufactured by Neenah Foundry Co. or Approved Equal
718502	Corrugated Steel Slotted Drain, 15" (375mm)	ft (m)	minimum 1 / Source / Contract See Division 700	Certification of Pipe, slotted drain to M36, Grate assemblies galvanized to ASTM A123, Concrete to meet Division 700 requirements
718503	Trench Drain, 10" (250mm) Wide	ft (m)	minimum 1 / Source	Certification of Reinforcement to M31, M284, Solid Concrete Block to ASTM C 139, Castings Manufactured by Neenah Foundry Co. or Approved Equal
718504	Corrugated Steel Slotted Drain, 24" (600mm)	ft (m)	minimum 1 / Source / Contract See Division 700	Certification of Pipe, slotted drain to M36, Grate assemblies galvanized to ASTM A123, Concrete to meet Division 700 requirements
718505	Trench Drain, 30" (750mm) Wide	ft (m)	minimum 1 / Source/ Contract	Certification of Reinforcement to M31, M284, Solid Concrete Block to ASTM C 139, Castings Manufactured by Neenah Foundry Co. or Approved Equal

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
718506	Trench Drain, 20" (500mm) Wide	ft (m)	minimum 1 / Source/ Contract	Certification of Reinforcement to M31, M284, Solid Concrete Block to ASTM C 139, Castings Manufactured by Neenah Foundry Co. or Approved Equal
708507	Corrugated Steel Slotted Drain, 18" (450mm)	ft (m)	minimum 1 / Source / Contract See Division 700	Certification of Pipe, slotted drain to M36, Grate assemblies galvanized to ASTM A123, Concrete to meet Division 700 requirements
718508	Corrugated Steel Slotted Drain, 21" (525mm)	ft (m)	minimum 1 / Source / Contract See Division 700	Certification of Pipe, slotted drain to M36, Grate assemblies galvanized to ASTM A123, Concrete to meet Division 700 requirements
718509	Precast Line Drain	ft (m)	minimum 1 / Source/ Contract	Concrete Subject to Division 600 Requirements, Gratings and Frames Certified to be ASTM A536-84 grade 65-45-12 or ASTM A48 Class 35B, Bar Reinforcement Certified to Meet AASHTO M31/M 31M Grade 40 or 60
718510	Trench Drain, 6" (150mm) Wide	ft (m)	minimum 1 / Source/ Contract	Certification of Reinforcement to M31, M284, Solid Concrete Block to ASTM C 139, Castings Manufactured by Neenah Foundry Co. or Approved Equal
720002	Galvanized Steel Beam Guardrail (Wood Post)	ft (m)	minimum 1 / Source See Division 700	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M, or Fabricated Sections Conforming to ASTM A 769/ A 769M, Beams Conform to M 180, Class A, Type I or II, Hardware to M 180, Rods and Turnbuckles, M 111, Swaged Cable Assembly to ASTM F 568 or M 298, Washers to ASTM B 209M, M 268, Concrete to Division 700 Requirements
720004	Bridge Guardrail	ft (m)	minimum 1 / Source See Division 700	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M, or Fabricated Sections Conforming to ASTM A 769/ A 769M, Beams Conform to M 180, Class A, Type I or II, Hardware to M 180, Rods and Turnbuckles, M 111, Swaged Cable Assembly to ASTM F 568 or M 298, Washers to ASTM B 209M, M 268, Concrete to Division 700 Requirements
720005	Steel Rail Element, Straight	ft (m)	minimum 1 / Source/ Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M
720006	Steel Rail Element, Curved	ft (m)	minimum 1 / Source/ Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M
720007	Galvanized Steel Posts	Each	minimum 1 / Source/ Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
720008	Galvanized Steel Brackets	Each	minimum 1 / Source/ Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M
720009	Short Wood Breakaway Post, Treated	Each	minimum 1 / Source/ Contract	Certification that Beams Conform to M 180, Class A, Type I or II
720010	Treated Wood Block	Each	minimum 1 / Source/ Contract	Certification that Beams Conform to M 180, Class A, Type I or II
720011	End Rail in Twisted End Anchorage, 12.5 ft (3.75m)	Each	minimum 1 / Source/ Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M
720012	Block B for Post B and Block C for Post C	Each	minimum 1 / Source/ Contract	Certification that Beams Conform to M 180, Class A, Type I or II
720013	End Section (Rounded)	Each	minimum 1 / Source/ Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M
720014	Terminal Connector, Bridge and Barrier	Each	minimum 1 / Source/ Contract	Certification to M 180
720016	Salvaged Rail Element	ft (m)	minimum 1 / Source/ Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M
720017	Salvaged Galvanized Steel Posts	Each	minimum 1 / Source/ Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M
720018	Salvaged Galvanized Steel Brackets	Each	minimum 1 / Source/ Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M
720022	Galvanized Rail Element, Thrie Beam	Each	minimum 1 / Source/ Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M, Galvanization to M 111
720023	Galvanized Transition Section, Thrie Beam	Each	minimum 1 / Source/ Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M, Galvanization to M 111
720024	Galvanized Steel Post, Thrie Beam	Each	minimum 1 / Source/ Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M, Galvanization to M 111
720025	Galvanized Steel Bracket, Thrie Beam	Each	minimum 1 / Source/ Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M, Galvanization to M 111
720029	Galvanized Rail Element, Thrie Beam	Each	minimum 1 / Source/ Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M, Galvanization to M 111
720030	Galvanized Steel Post, 7' (2.1m)	Each	minimum 1 / Source/ Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M, Galvanization to M 111
720031	Galvanized Steel Beam Guardrail (Close Post Spacing)	ft (m)	minimum 1 / Source/ Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M, Galvanization to M 111
720032	Galvanized Steel Post, 8' (2.4m)	Each	minimum 1 / Source/ Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M, Galvanization to M 111
720033	Galvanized W-Beam Offset Block	Each	minimum 1 / Source/ Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M, Galvanization to M 111

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
720034	Galvanized W-Beam Back-up Plate	Each	minimum 1 / Source/ Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M, Galvanization to M 111
720035	Galvanized Thrie Beam Back-Up Plate	Each	minimum 1 / Source/ Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M, Galvanization to M 111
720036	Galvanized Thrie Beam Offset Block	Each	minimum 1 / Source/ Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M, Galvanization to M 111
720037	Long Wood Breakaway Post, Treated	Each	minimum 1 / Source/ Contract	Certification that Beams Conform to M 180, Class A, Type I or II
720038	Galvanized Steel Tube	Each	minimum 1 / Source/ Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M, Galvanization to M 111
720039	Galvanized Soil Plate	Each	minimum 1 / Source/ Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M, Galvanization to M 111
720040	Swaged Cable Assemblage and Related Hardware	Each	minimum 1 / Source/ Contract	Swaged Cable Assembly to ASTM F 568 or M 298, Washers to ASTM B 209M, M 268
720041	Reflectorized Washers	Each	minimum 1 / Source/ Contract	Certification to ASTM B 209M
720042	Galvanized Bearing Plate	Each	minimum 1 / Source/ Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M, Galvanization to M 111
720050	Galvanized Steel Beam Guardrail, Type 1	ft (m)	minimum 1 / Source / Contract; See Division 700	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M, or Fabricated Sections Conforming to ASTM A 769/ A 769M, Hardware to M 180, Rods and Turnbuckles, M 111, Swaged Cable Assembly to ASTM F 568 or M 298, Washers to ASTM B 209M, M 268, Concrete to Division 700 Requirements
720051	Galvanized Steel Beam Guardrail, Type 2	ft (m)	minimum 1 / Source / Contract; See Division 700	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M, or Fabricated Sections Conforming to ASTM A 769/ A 769M, Hardware to M 180, Rods and Turnbuckles, M 111, Swaged Cable Assembly to ASTM F 568 or M 298, Washers to ASTM B 209M, M 268, Concrete to Division 700 Requirements
720052	Galvanized Steel Beam Guardrail, Type 3	ft (m)	minimum 1 / Source / Contract; See Division 700	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M, or Fabricated Sections Conforming to ASTM A 769/ A 769M, Hardware to M 180, Rods and Turnbuckles, M 111, Swaged Cable Assembly to ASTM F 568 or M 298, Washers to ASTM B 209M, M 268, Concrete to Division 700 Requirements

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
720053	Guardrail over Culverts, Type 1	Each	minimum 1 / Source / Contract; See Division 700	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M, or Fabricated Sections Conforming to ASTM A 769/ A 769M, Hardware to M 180, Rods and Turnbuckles, M 111, Swaged Cable Assembly to ASTM F 568 or M 298, Washers to ASTM B 209M, M 268, Concrete to Division 700 Requirements
720054	Guardrail over Culverts, Type 2	Each	minimum 1 / Source / Contract; See Division 504	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M, or Fabricated Sections Conforming to ASTM A 769/ A 769M, Hardware to M 180, Rods and Turnbuckles, M 111, Swaged Cable Assembly to ASTM F 568 or M 298, Washers to ASTM B 209M, M 268, Concrete to Division 700 Requirements
720055	Curved Guardrail Section	ft (m)	minimum 1 / Source / Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M, or Fabricated Sections Conforming to ASTM A 769/ A 769M,
720056	Treated Wood Guardrail Post	Each	minimum 1 / Source / Contract	Certification that Beams Conform to M 180, Class A, Type I or II
720512	P.C.C. Safety Barrier Permanent, Double Face	ft (m)	minimum 1 / Source / Contract; See Division 700	Certification of Reinforcement to M31, Grade 60, and Concrete to Division 700 Requirements
720519	Parapet Guardrail	ft (m)	minimum 1 / Source / Contract; See Division 700	Certification of Reinforcement to M31, Grade 60, and Concrete to Division 700 Requirements
720521	Rigid Beam Guardrail	Each	minimum 1 / Source / Contract; See Division 700	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M, or Fabricated Sections Conforming to ASTM A 769/ A 769M, Hardware to M 180, Rods and Turnbuckles, M 111, Swaged Cable Assembly to ASTM F 568 or M 298, Washers to ASTM B 209M, M 268, Concrete to Division 700 Requirements
720529	P.C.C. Safety Barrier Permanent, Single Face	ft (m)	minimum 1 / Source / Contract; See Division 700	Certification of Reinforcement to M31, Grade 60, and Concrete to Division 700 Requirements
720533	Permanent Wood Barricade	Each	minimum 1 / Source / Contract	Certification of Wood to be Yellow Pine or Fir, Meeting M168, Hardware to meet ASTM A 307 Requirements
720541	Galvanized Steel Bikerail	ft (m)	minimum 1 / Source / Contract; See Division 700	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M, or Fabricated Sections Conforming to ASTM A 769/ A 769M, Hardware to M 180, Rods and Turnbuckles, M 111, Swaged Cable Assembly to ASTM F 568 or M 298, Washers to ASTM B 209M, M 268, Concrete to Division 700 Requirements
720549	Galvanized Steel Post, Extra Length	ft (m)	minimum 1 / Source / Contract	Certification of Steel Posts, Steel Offset Blocks, and Steel Shapes to M 183/M 183M

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
720550	P.C.C. Barrier, Modified	ft (m)	minimum 1 / Source / Contract; See Division 700	Certification of Reinforcement to M31, Grade 60, and Concrete to Division 700 Requirements
720557	Permanent P.C.C. Precast Barrier Toll Booth	Each	Each	Certification of Reinforcing Steel to ASTM A615, Welded Wire Fabric to ASTM A185 and A497, Epoxy Paint to be FX-64 Epoxy Protective Coating (Fox Industries) or Sikagard 62 (Sika Corporation), Structural Steel to ASTM A 36, Concrete to Division 700
720562	Steel Backed Timber Guardrail	ft (m)	minimum 1 / Source/ Contract	Certification of Lumber to be Kiln Dried Douglas Fir or Southern Pine or Fir, Meeting M168, Hardware to Meet ASTM A-325 Requirements
720563	Single Slope Concrete Barrier, 42" (1050mm) High	ft (m)	minimum 1 / Source/Contract; See Division 700	Certification of Reinforcement to M31, Grade 60, and Concrete to Division 700 Requirements
720564	Timber Bridge Rail	ft (m)	minimum 1 / Source/ Contract	Certification of Lumber to be Kiln Dried Douglas Fir or Southern Pine or Fir, Meeting M168, Hardware to Meet ASTM A-325 Requirements
720567	Furnish and Maintain Portable P.C.C. Safety Barrier	ft (m)	minimum 1 / Source/Contract; See Division 700	Certification of Reinforcement to M31, Grade 60, and Concrete to Division 700 Requirements
720571	Single Slope Concrete Barrier, 63" (1575mm) High	ft (m)	minimum 1 / Source/ Contract; See Division 700	Certification of Reinforcement to M31, Grade 60, and Concrete to Division 700 Requirements
720572	Single Slope Concrete Barrier, 76" (1900mm) High	ft (m)	minimum 1 / Source/Contract; See Division 700	Certification of Reinforcement to M31, Grade 60, and Concrete to Division 700 Requirements
720574	Furnish and Install Portable P.C.C. Safety Barrier	ft (m)	minimum 1 / Source/Contract; See Division 700	Certification of Reinforcement to M31, Grade 60, and Concrete to Division 700 Requirements
720575	Weathering Steel Beam Guardrail	ft (m)	minimum 1 / Source/Contract; See Division 700	Certification of Reinforcement to M31, Grade 60, and Concrete to Division 700 Requirements
720578	Bollard, Steel	Each	minimum 1 / Source/Contract; See Division 700	Certification of Steel to Meet Size Requirements, Stone tested by T11, T19, T27, T85, T96, Paint required to meet M300, Type I or II, Concrete subject to Division 700 requirements
720587	P.C.C. Safety Barrier Permanent, Double Face, Modified	ft (m)	minimum 1 / Source/Contract; See Division 700	Certification of Reinforcement to M31, Grade 60, and Concrete to Division 700 Requirements
720602	Weathering Steel Rail Element, Straight	ft (m)	minimum 1 / Source/Contract	Rail Elements Certified to Meet AASHTO M270M (ASTM A709M) 345W, Bolts, Nuts, and Washers Certified to AASHTO M270M (ASTM A709M) 345W
725001	Guardrail to Barrier Connection (Exit Type)	Each	minimum 1 / Source / Contract	Steel must be Certified to M 183/M 183M, or Prefabricated to Requirements of ASTM A769 / A 769M; Hardware Certified to M180

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
725002	Guardrail to Barrier Connection, Approach Type 1	Each	minimum 1 / Source / Contract	Steel must be Certified to M 183/M 183M, or Prefabricated to Requirements of ASTM A769 / A 769M; Hardware Certified to M180
725003	Guardrail to Barrier Connection, Approach Type 2	Each	minimum 1 / Source / Contract	Steel must be Certified to M 183/M 183M, or Prefabricated to Requirements of ASTM A769 / A 769M; Hardware Certified to M180
725502	Timber Guardrail to Bridge Rail Transition	Each	minimum 1 / Source / Contract	Steel must be Certified to M 183/M 183M, or Prefabricated to Requirements of ASTM A769 / A 769M; Hardware Certified to M180, Timber Certified to M 168
726001	End Anchorage	Each	minimum 1 / Source / Contract	Steel must be Certified to M 183/M 183M, or Prefabricated to Requirements of ASTM A769 / A 769M; Hardware Certified to M180
727000	Right of Way Fence	ft (m)	1 Test / 50 Rolls of Wire	Certification to M281, or M280, or M279
727001	Right of Way Fence Gate	Each	Each	Certification to M281, or M280, or M279
727002	Barbed Wire Fence	ft (m)	1 Test / 50 Rolls of Wire	Certification; M280
727003	Chain Link Fence, 4' (1.2m) High	ft (m)	1 Test / 50 Rolls of Wire	Certification; M181
727004	Chain Link Fence, 6' (1.8m) High	ft (m)	1 Test / 50 Rolls of Wire	Certification; M181
727005	Terminal Posts for 4' (1.2m) Chain Link Fence	Each	1 Sample / 500 Posts	Certification; M181
727006	Terminal Posts for 6' (1.8m) Chain Link Fence	Each	1 Sample / 500 Posts	Certification; M181
727007	Chain Link Fence, 8' (2.4m) High	ft (m)	1 Test / 50 Rolls of Wire	Certification; M181
727008	Terminal Posts for 8' (2.4m) Chain Link Fence	Each	1 Sample / 500 Posts	Certification; M181
727009	Chain Link Fence, 5' (1.5m) High	ft (m)	1 Test / 50 Rolls of Wire	Certification; M181
727010	Terminal Posts for 5' (1.5m) Chain Link Fence	Each	1 Sample / 500 Posts	Certification; M181
727012	Vehicular Gates	Each	Each	Certification of Steel Pipe to ASTM A 53, Visual Inspection
727013	Walk Gates	Each	Each	Certification of size to plans
727500	Monuments	Each	Each	Certification of Bars to AASHTO M31/M 31M, Grade 40 or Grade 60, Concrete to Division 600, Class B
727507	Bridge Safety Fence	ft (m)	minimum 1 / Source / Contract	M181

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
727510	Wood Rail Fence	ft (m)	minimum 1 / Source / Contract	Concrete, if Used, Meets Division 600 Requirements, Lumber Certified to Meet AASHTO M168, Timber Preservatives Certified to Meet AASHTO M133, Hardware Certified to Meet ASTM A307, Galvinazation to AASHTO M232
727511	Vinyl Coated Chain Link Fence, 4' (1.2m) High	ft (m)	1 Test / 50 Rolls of Wire	Portland Cement Concrete Must Meet Division 600 Requirements, Fencing Certified to Meet AASHTO M181, Certification of Vinyl Coating to AASHTO M181, Type IV Class A
727512	Vinyl Coated Chain Link Fence, 6' (1.8m) High	ft (m)	1 Test / 50 Rolls of Wire	Portland Cement Concrete Must Meet Division 600 Requirements, Fencing Certified to Meet AASHTO M181, Certification of Vinyl Coating to AASHTO M181, Type IV Class A
727513	Vinyl Coated Terminal Post for 4' (1.2m) Chain Link Fence	Each	1 Sample / 500 Posts	Portland Cement Concrete Must Meet Division 600 Requirements, Fencing Certified to Meet AASHTO M181, Certification of Vinyl Coating to AASHTO M181, Type IV Class A
727514	Vinyl Coated Terminal Post for 6' (1.8m) Chain Link Fence	Each	1 Sample / 500 Posts	Portland Cement Concrete Must Meet Division 600 Requirements, Fencing Certified to Meet AASHTO M181, Certification of Vinyl Coating to AASHTO M181, Type IV Class A
727518	Wood Fence, 10' (3m) High	ft (m)	minimum 1 / Source / Contract See Division 700	Visual Inspection, Certification that Timber is Souther Yellow Pine, Hardware Certified to M180, Portland Cement Concrete Subject to Division 700 Requirements
727522	Decorative Fence	ft (m)	minimum 1 / Source / Contract	Certification of Posts and Rails to be 6105T5 in accordance to ASTM B221, Hardware Certified to M180, Accessories Certified to be Aluminum Castings
727523	Cantilever Slide Gate, 26' (7.8m)	Each	minimum 1 / Source / Contract	Certification of Materials to be From the Same Manufacturer, Concrete Subject to Division 600 Requirements, Gate Fabric Certified to Meet AASHTO M181
727524	Wood Fence, 12' (3.7m) High	ft (m)	minimum 1 / Source / Contract See Division 700	Visual Inspection, Certification that Timber is Souther Yellow Pine, Hardware Certified to M180, Portland Cement Concrete Subject to Division 700 Requirements
727525	Wood Fence, 15' (4.6m) High	ft (m)	minimum 1 / Source / Contract See Division 700	Visual Inspection, Certification that Timber is Souther Yellow Pine, Hardware Certified to M180, Portland Cement Concrete Subject to Division 700 Requirements
727526	Cantilever Slide Gate, 22' (6.6m)	Each	minimum 1 / Source / Contract	Certification of Materials to be From the Same Manufacturer, Concrete Subject to Division 600 Requirements, Gate Fabric Certified to Meet AASHTO M181
728500	Chain Link Fence Enclosure	ft (m)	1 Test / 50 Rolls of Wire	Certification; M181

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
728502	Wood Fence 6' (1.8m)	ft (m)	minimum 1 / Source / Contract See Division 700	Visual Inspection, Certification that Timber is Souther Yellow Pine, Hardware Certified to M180, Portland Cement Concrete Subject to Division 700 Requirements
728503	Vinyl Coated Chain Link Fence, 6' (1.8m) High	ft (m)	1 Test / 50 Rolls of Wire	Certification; M281
728505	Vinyl Coated Chain Link, 4'(1.2m)	ft (m)	1 Test / 50 Rolls of Wire	Certification; M281
728508	Chain Link Fence with Slats, 8' (2.4m) High	ft (m)	1 Test / 50 Rolls of Wire	Certification; M281
728509	Chain Link Fence, Special	ft (m)	1 Test / 50 Rolls of Wire	Certification; M281
728510	Terminal Posts for Chain Link Fence, Special	Each	1 Sample / 500 Posts	Certification; M281
728512	Galvanized Wire Fence, 4" (100mm) High	ft (m)	1 Test / 50 Rolls of Wire	Certification; M279 or ASTM A584
728514	Wood Fence, 8' (2.4m) High	ft (m)	minimum 1 / Source / Contract See Division 700	Visual Inspection, Certification that Timber is Souther Yellow Pine, Hardware Certified to M180, Portland Cement Concrete Subject to Division 700 Requirements
728515	Galvanized Wire Fence, Special	ft (m)	1 Test / 50 Rolls of Wire	Certification that Materials to ASTM A 53 and Galvinazation to AASHTO M111, Barbed Wire to ASTM A 121, Woven Wire Fencing to ASTM A 116
730500	Cantilever Slide Gate, 16' (4.8m)	Each	minimum 1 / Source / Contract	Certification of Materials to be From the Same Manufacturer, Concrete Subject to Division 600 Requirements, Gate Fabric Certified to Meet AASHTO M181
730501	Double Cantilever Slide Gate, 36' (10.8m)	Each	minimum 1 / Source / Contract	Certification of Materials to be From the Same Manufacturer, Concrete Subject to Division 600 Requirements, Gate Fabric Certified to Meet AASHTO M181
730502	Automatic Barrier Gate	Each	minimum 1 / Source / Contract	Certification that Gate is Manufactured by Automatic Parking Equipment, Inc, Cincinatti Time, A Unit of General Signal, Federal APD, or Stanley Parking Systems
730503	Security Gate	Each	minimum 1 / Source / Contract	Certification that Structural Steel Conforms to ASTM A500, Steel Pipe to ASTM A53, Nuts and Washers to ASTM A 325, Stell Plates, Shapes, and Bars to ASTM A36, Portland Cement Concrete to Division 600 Requirements
730505	Cantilever Slide Gate, 20' (6m)	Each	minimum 1 / Source / Contract	Certification of Materials to be From the Same Manufacturer, Concrete Subject to Division 600 Requirements, Gate Fabric Certified to Meet AASHTO M181

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
730506	Cantilever Slide Gate 28' (8.4m)	Each	minimum 1 / Source / Contract	Certification of Materials to be From the Same Manufacturer, Concrete Subject to Division 600 Requirements, Gate Fabric Certified to Meet AASHTO M181
730507	Cantilever Slide Gate, 37' (11.1m) Manual	Each	minimum 1 / Source / Contract	Certification that Materials are from One Manufacturer, Gate Fabric Conforms with AASHTO M181
730508	Cantilever Slide Gate, 40' (12m) Manual	Each	minimum 1 / Source / Contract	Certification that Materials are from One Manufacturer, Gate Fabric Conforms with AASHTO M181
730509	Cantilever Slide Gate, 22' (6.6m) Manual	Each	minimum 1 / Source / Contract	Certification that Materials are from One Manufacturer, Gate Fabric Conforms with AASHTO M181
730512	Cantilever Slide Gate 48', Manual	Each	minimum 1 / Source / Contract	Certification that Materials are from One Manufacturer, Gate Fabric Conforms with AASHTO M181
732000	Topsoil, 4" (100mm) Depth	yd ² (m ²)	minimum 1 / Source / Contract	T194
732002	Topsoil, 6" (150mm) Depth	yd ² (m ²)	minimum 1 / Source / Contract	T194
732003	Topsoil, 12" (300mm) Depth	yd ² (m ²)	minimum 1 / Source / Contract	T194
732500	Topsoil	Ton (t)	minimum 1 / Source / Contract	T194
732503	Topsoil Type B, 2" Depth	yd ² (m ²)	minimum 1 / Source / Contract	T194
732506	Compost	Ton (t)	minimum 1 / Source / Contract	Certification of Material Using Data From DOH9, AASHTO T88, T89, T90, T194
732507	Structural Soil	yd ³ (m ³)	minimum 1 / Source / Contract	Certification of Material to be Cu-Structural Soil (Amereq Corporation) or Approved Equal
734007	Wetland Seeding, Type HM	yd ² (m ²)	minimum 1 / Source / Contract	Water Tested by AASHTO T26, Limestone AASHTO T27, Certification of Fertilizer, Visual Inspection of Blended Seeds or Mill analysis for Single Seed Mix
734011	Facultative Wet Blend	yd ² (m ²)	minimum 1 / Source / Contract	Water Tested by AASHTO T26, Limestone AASHTO T27, Certification of Fertilizer, Visual Inspection of Blended Seeds or Mill analysis for Single Seed Mix
734013	Permanent Grass Seeding, Dry Ground	yd ² (m ²)	minimum 1 / Source / Contract	Water Tested by AASHTO T26, Limestone AASHTO T27, Certification of Fertilizer, Visual Inspection of Blended Seeds or Mill analysis for Single Seed Mix
734014	Permanent Crownvetch Seeding	yd ² (m ²)	minimum 1 / Source / Contract	Water Tested by AASHTO T26, Limestone AASHTO T27, Certification of Fertilizer, Visual Inspection of Blended Seeds or Mill analysis for Single Seed Mix
734015	Permanent Grass Seeding, Wet Ground	yd ² (m ²)	minimum 1 / Source / Contract	Water Tested by AASHTO T26, Limestone AASHTO T27, Certification of Fertilizer, Visual Inspection of Blended Seeds or Mill analysis for Single Seed Mix

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
734016	Permanent Grass Seeding, Subdivision	yd ² (m ²)	minimum 1 / Source / Contract	Water Tested by AASHTO T26, Limestone AASHTO T27, Certification of Fertilizer, Visual Inspection of Blended Seeds or Mill analysis for Single Seed Mix
734019	Permanent Grass Seeding, Wet Ground	lb (kg)	minimum 1 / Source / Contract	Water Tested by AASHTO T26, Limestone AASHTO T27, Certification of Fertilizer, Visual Inspection of Blended Seeds or Mill analysis for Single Seed Mix
734504	Wildflowers Seed	lb (kg)	minimum 1 / Source / Contract	Water Tested by AASHTO T26, Limestone AASHTO T27, Certification of Fertilizer, Visual Inspection of Blended Seeds or Mill analysis for Single Seed Mix
734505	Grass Seed	lb (kg)	minimum 1 / Source / Contract	Water Tested by AASHTO T26, Limestone AASHTO T27, Certification of Fertilizer, Visual Inspection of Blended Seeds or Mill analysis for Single Seed Mix
734512	Wildflower Mix	yd ² (m ²)	minimum 1 / Source / Contract	Water Tested by AASHTO T26, Visual Inspection of Blended Seed Mix, Limestone Gradation Verified by AASHTO T27
734515	Permanent Seeding, Alkaligrass	yd ² (m ²)	minimum 1 / Source / Contract	Water Tested by AASHTO T26, Limestone by AASHTO T27, Certification of Seed to be Alkaligrass
734516	Warm Season Wetland Seed Mix	yd ² (m ²)	minimum 1 / Source / Contract	Water Tested by AASHTO T26, Limestone AASHTO T27, Certification of Fertilizer, Visual Inspection of Blended Seeds or Mill analysis for Single Seed Mix
734517	Seeding, Panicum Habitat	yd ² (m ²)	minimum 1 / Source / Contract	Water Tested by AASHTO T26, Limestone AASHTO T27, Certification of Fertilizer, Visual Inspection of Blended Seeds or Mill analysis for Single Seed Mix
734519	Seeding, Grasses and Forbs	yd ² (m ²)	minimum 1 / Source / Contract	Water Tested by AASHTO T26, Limestone AASHTO T27, Certification of Fertilizer, Visual Inspection of Blended Seeds or Mill analysis for Single Seed Mix
734520	Meadow Seeding	yd ² (m ²)	minimum 1 / Source / Contract	Water Tested by AASHTO T26, Limestone AASHTO T27, Certification of Fertilizer, Visual Inspection of Blended Seeds or Mill analysis for Single Seed Mix
734521	Wetland Mitigation Seed Mix	yd ² (m ²)	minimum 1 / Source / Contract	Water Tested by AASHTO T26, Limestone AASHTO T27, Certification of Fertilizer, Visual Inspection of Blended Seeds or Mill analysis for Single Seed Mix
735003	Mulching, Soil Reinforcement Mat	yd ² (m ²)	minimum 1 / Source / Contract	Certification of Material to be a Small Grain Straw
735006	Mulching, Straw	yd ² (m ²)	minimum 1 / Source / Contract	Certification of Material to be a Small Grain Straw
735521	Mulching, Bonded Fiber Matrix Blanket	yd ² (m ²)	minimum 1 / Source / Contract	Certification of blanket to be a bonded fiber matrix

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
735531	Soil Retention Blanket Mulch, Type 1	yd ² (m ²)	minimum 1 / Source / Contract	Certification of Materials to be biodegradable and composed of Small Grain Straw
735532	Soil Retention Blanket Mulch, Type 2	yd ² (m ²)	minimum 1 / Source / Contract	Certification of Materials to be biodegradable and composed of Small Grain Straw
735533	Soil Retention Blanket Mulch, Type 3	yd ² (m ²)	minimum 1 / Source / Contract	Certification of Materials to be biodegradable and composed of Small Grain Straw
735534	Soil Retention Blanket Mulch, Type 4	yd ² (m ²)	minimum 1 / Source / Contract	Certification of Materials to be biodegradable and composed of Small Grain Straw
735535	Soil Retention Blanket Mulch, Type 5	yd ² (m ²)	minimum 1 / Source / Contract	Certification of Materials to be biodegradable and composed of Small Grain Straw
735536	Soil Retention Blanket Mulch, Type 6	yd ² (m ²)	minimum 1 / Source / Contract	Certification of Materials to be non-biodegradable and composed of Small Grain Straw
735537	Soil Retention Blanket Mulch, Type 7	yd ² (m ²)	minimum 1 / Source / Contract	Certification of Materials to be non-biodegradable and composed of Small Grain Straw
736004	Sodding, Tall Fescue-Blue Grass	yd ² (m ²)	minimum 1 / Source / Contract	Certification to be Native Materials to the Area
736504	Wildflower Sod	yd ² (m ²)	minimum 1 / Source / Contract	Certification to be Native Materials to the Area
737002	Mulching, Plants	yd ² (m ²)	minimum 1 / Source / Contract	Certification of Material to be Chopped Pine Bark, Licorice Root, Shredded Hardwood Bark, Wood Chips, Tan Bark, or an Approved Equal
737003-737457	Miscellaneous Plants	Each	minimum 1 / Source / Contract	Certification of Plant to be Seasonal and Location Appropriate
740514	Sediment Basin Outlet, Type A	Each	minimum 1 / Source / Contract; See Division 700	Pipe, Anti Seep collars, and Base metal must Meet M 36, T 27 for stone, filter fabric must meet M288, Concrete T22, T23 or ASTM C 39-87, Also Division 700 requirements
740515	Sediment Basin Outlet, Type B	Each	minimum 1 / Source / Contract; See Division 700	Pipe, Anti Seep collars, and Base metal must Meet M 36, T 27 for stone, filter fabric must meet M288, Concrete T22, T23 or ASTM C 39-87, Also Division 700 requirements
740518	Stone Outlet Sediment Trap	Each	minimum 1 / Source / Contract	Certification of Filter Fabric to be Mirafi 140N, Exxon GTF 130D, Amoco 4545 or Approved Equal, Stone Tested AASHTO T27
740519	Geotextile, Pond Liner	yd ² (m ²)	minimum 1 / Source / Contract	Certification by ASTM D4632, D3786, D4533, D3776, D4355, and VA DOT, VTM 51
740520	Coconut Fiber Roll	ft (m)	minimum 1 / Source / Contract	Certification of Materials to Meet Size Requirements
743526	Telescoping Steel Sign Posts, 9' (2.7m)	Each	minimum 1 / Source / Contract	Certification to Meet ASTM A446, Grade A Coating Designation G90, or ASTM A570, Grade 30

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
743527	Telescoping Steel Sign Posts, 10' (3m)	Each	minimum 1 / Source / Contract	Certification to Meet ASTM A446, Grade A Coating Designation G90, or ASTM A570, Grade 30
743528	Telescoping Steel Sign Posts, 11' (3.3m)	Each	minimum 1 / Source / Contract	Certification to Meet ASTM A446, Grade A Coating Designation G90, or ASTM A570, Grade 30
743529	Telescoping Steel Sign Posts, 12' (3.6m)	Each	minimum 1 / Source / Contract	Certification to Meet ASTM A446, Grade A Coating Designation G90, or ASTM A570, Grade 30
744001	Conduit Junction Well, Type 1	Each	minimum 1 / Source / Contract; See Division 700	Certification of Brick to M114, Castings to M105, Class 30, Division 700 for Concrete Requirements
744002	Conduit Junction Well, Type 2	Each	minimum 1 / Source / Contract; See Division 700	Certification of Brick to M114, Castings to M105, Class 30, Division 700 for Concrete Requirements
744003	Conduit Junction Well, Type 3	Each	minimum 1 / Source / Contract; See Division 700	Certification of Brick to M114, Castings to M105, Class 30, Division 700 for Concrete Requirements
744004	Conduit Junction Well, Type 4	Each	minimum 1 / Source / Contract; See Division 700	Certification of Brick to M114, Castings to M105, Class 30, Division 700 for Concrete Requirements
744005	Conduit Junction Well, Type 5	Each	minimum 1 / Source / Contract; See Division 700	Certification of Brick to M114, Castings to M105, Class 30, Division 700 for Concrete Requirements
744006	Conduit Junction Well, Modified	Each	minimum 1 / Source / Contract; See Division 700	Certification of Brick to M114, Castings to M105, Class 30, Division 700 for Concrete Requirements
744007	Conduit Junction Well, Type 4, Modified	Each	minimum 1 / Source / Contract; See Division 700	Certification of Brick to M114, Castings to M105, Class 30, Division 700 for Concrete Requirements
744500	Conduit Junction Well, Type 6	Each	minimum 1 / Source / Contract; See Division 700	Certification of Brick to M114, Castings to M105, Class 30, Division 700 for Concrete Requirements
744502	Conduit Junction Well, Communications	Each	minimum 1 / Source / Contract; See Division 700	Certification of Brick to M114, Castings to M105, Class 30, Division 700 for Concrete Requirements
744503	Conduit Junction Well, Electric	Each	minimum 1 / Source / Contract; See Division 700	Certification of Brick to M114, Castings to M105, Class 30, Division 700 for Concrete Requirements
745001	Conduit Under Existing Pavement 1 1/2" (38mm)	Each	minimum 1 / Source / Contract	Certification of Steel Conduits and Fittings to ANSI C80.1, UL6 and UL514; All Non Metallic Pipe Conforms to C5-272-05 (PVC)
745002	Conduit Under Existing Pavement 2" (50mm)	Each	minimum 1 / Source / Contract	Certification of Steel Conduits and Fittings to ANSI C80.1, UL6 and UL514; All Non Metallic Pipe Conforms to C5-272-05 (PVC)
745003	Conduit Under Existing Pavement 2 1/2" (63mm)	Each	minimum 1 / Source / Contract	Certification of Steel Conduits and Fittings to ANSI C80.1, UL6 and UL514; All Non Metallic Pipe Conforms to C5-272-05 (PVC)
745004	Galvanized Conduit Under New Pavement or in Sodded Trench 1 1/2" (38mm)	Each	minimum 1 / Source / Contract	Certification of Steel Conduits and Fittings to ANSI C80.1, UL6 and UL514

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
745005	Galvanized Conduit Under New Pavement or in Sodded Trench 2" (50mm)	Each	minimum 1 / Source / Contract	Certification of Steel Conduits and Fittings to ANSI C80.1, UL6 and UL514
745006	Galvanized Conduit Under New Pavement or in Sodded Trench 2 1/2" (63mm)	Each	minimum 1 / Source / Contract	Certification of Steel Conduits and Fittings to ANSI C80.1, UL6 and UL514
745009	Galvanized Conduit Under New Pavement or in Sodded Trench 3/4" (19mm)	Each	minimum 1 / Source / Contract	Certification of Steel Conduits and Fittings to ANSI C80.1, UL6 and UL514
745010	Galvanized Conduit Under New Pavement or in Sodded Trench 3" (75mm)	Each	minimum 1 / Source / Contract	Certification of Steel Conduits and Fittings to ANSI C80.1, UL6 and UL514
745012	PVC Conduit Under Existing Pavement, 1" (25mm)	ft (m)	minimum 1 / Source / Contract	Certification of Non Mettalic Pipe to C5-272-05 (PVC)
745014	PVC Conduit Under Existing Pavement, 2" (50mm)	ft (m)	minimum 1 / Source / Contract	Certification of Non Mettalic Pipe to C5-272-05 (PVC)
745016	PVC Conduit Under Existing Pavement, 3" (75mm)	ft (m)	minimum 1 / Source / Contract	Certification of Non Mettalic Pipe to C5-272-05 (PVC)
745017	PVC Conduit Under New Pavement or in Sodded Trench, 1" (25mm)	ft (m)	minimum 1 / Source / Contract	Certification of Non Mettalic Pipe to C5-272-05 (PVC)
745018	PVC Conduit Under New Pavement or in Sodded Trench, 2" (50mm)	ft (m)	minimum 1 / Source / Contract	Certification of Non Mettalic Pipe to C5-272-05 (PVC)
745019	PVC Conduit Under New Pavement or in Sodded Trench, 3" (75mm)	ft (m)	minimum 1 / Source / Contract	Certification of Non Mettalic Pipe to C5-272-05 (PVC)
745020	Galvanized Conduit Under New Pavement or In Sodded Trench, 4" (100mm)	ft (m)	minimum 1 / Source / Contract	Certification of Steel Conduits and Fittings to ANSI C80.1, UL6 and UL514
745021	Galvanized Conduit Under Existing Pavement, 4" (100mm)	ft (m)	minimum 1 / Source / Contract	Certification of Steel Conduits and Fittings to ANSI C80.1, UL6 and UL514
745022	Galvanized Conduit Under New Pavement or in Sodded Trench, 1" (25mm)	ft (m)	minimum 1 / Source / Contract	Certification of Steel Conduits and Fittings to ANSI C80.1, UL6 and UL514
745023	Galvanized Conduit Under New Pavement or in Sodded Trench, 3/4" (19mm)	ft (m)	minimum 1 / Source / Contract	Certification of Steel Conduits and Fittings to ANSI C80.1, UL6 and UL514

Table B-1: Minimum Testing Frequencies and Test Procedures

ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
745024	PVC Conduit Under New Pavement or in Sodded Trench, 1 1/2" (38mm)	ft (m)	minimum 1 / Source / Contract	Certification of Non Metallic Pipe to C5-272-05 (PVC)
745025	PVC Conduit Under New Pavement or in Sodded Trench, 6" (150mm)	ft (m)	minimum 1 / Source / Contract	Certification of Non Metallic Pipe to C5-272-05 (PVC)
745026	PVC Conduit Under New Pavement or in Sodded Trench, 2 1/2" (63mm)	ft (m)	minimum 1 / Source / Contract	Certification of Non Metallic Pipe to C5-272-05 (PVC)
745027	PVC Conduit Under New Pavement or in Sodded Trench, 3/4" (19mm)	ft (m)	minimum 1 / Source / Contract	Certification of Non Metallic Pipe to C5-272-05 (PVC)
745028	Galvanized Conduit Under Existing Pavement, 1" (25mm)	ft (m)	minimum 1 / Source / Contract	Certification of Steel Conduits and Fittings to ANSI C80.1, UL6 and UL514
745029	Galvanized Conduit Under Existing Pavement, 3" (75mm)	ft (m)	minimum 1 / Source / Contract	Certification of Steel Conduits and Fittings to ANSI C80.1, UL6 and UL514
745030	PVC Conduit Under New Pavement or in Sodded Trench, 4" (100mm)	ft (m)	minimum 1 / Source / Contract	Certification of Non Metallic Pipe to C5-272-05 (PVC)
745031	PVC Conduit Under Existing Pavement, 4" (100mm)	ft (m)	minimum 1 / Source / Contract	Certification of Non Metallic Pipe to C5-272-05 (PVC)
745500	Galvanized Conduit In / On Structure, 1" (25mm)	ft (m)	minimum 1 / Source / Contract	Certification of Steel Conduits and Fittings to ANSI C80.1, UL6 and UL514
745501	Galvanized Conduit In / On Structure, 1 1/2" (38mm)	ft (m)	minimum 1 / Source / Contract	Certification of Steel Conduits and Fittings to ANSI C80.1, UL6 and UL514
745502	Galvanized Conduit In / On Structure, 2 1/2" (63mm)	ft (m)	minimum 1 / Source / Contract	Certification of Steel Conduits and Fittings to ANSI C80.1, UL6 and UL514
745505	Galvanized Conduit In / On Structure, 3" (75mm)	ft (m)	minimum 1 / Source / Contract	Certification of Steel Conduits and Fittings to ANSI C80.1, UL6 and UL514
745506	Galvanized Conduit In / On Structure, 2" (50mm)	ft (m)	minimum 1 / Source / Contract	Certification of Steel Conduits and Fittings to ANSI C80.1, UL6 and UL514
745510	PVC Conduit Schedule 80 Under New Pavement or in Sodded Trench, 4" (100mm)	ft (m)	minimum 1 / Source / Contract	Certification of Non Metallic Pipe to C5-272-05 (PVC)
745511	PVC Conduit Schedule 80 Under Existing Pavement, 4" (100mm)	ft (m)	minimum 1 / Source / Contract	Certification of Non Metallic Pipe to C5-272-05 (PVC)
745512	Ribbed Inner Duct, 1" (25mm)	ft (m)	minimum 1 / Source / Contract	Certification that Pull Cord Rating is Minimum 800lb
745514	Multiduct Conduit Under Existing Pavement, 4" (100mm)	ft (m)	minimum 1 / Source / Contract	Certification that Outer and Inner Ducts meet ASTM D3035, with a SDR of 13.5

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
745515	Multiduct Conduit In / On Structure, 4" (100mm)	ft (m)	minimum 1 / Source / Contract	Certification that Outer Conduit Meets UL 6, ASA C-80.1, Federal Specification W-W-C-581 and ASTM A 588M, Outer Conduit Galvanized in Accordance to M 232/M 232M, Inner Ducts Must Meet ASTM D 1785 Requirements
745523	Multiduct Conduit Under New Pavement or in Sodded Trench, 4" (100mm)	ft (m)	minimum 1 / Source / Contract	Certification that Outer and Inner Ducts meet ASTM D3035, with a SDR of 13.5
748014	Permanent Pavement Striping, Alkyd-Thermoplastic, 4" (100mm)	ft (m)	minimum 1 / Source / Contract	Certified in accordance to T250 and M249
748015	Permanent Pavement Striping, Symbol / Legend Alkyd-Thermoplastic	ft ² (m ²)	minimum 1 / Source / Contract	Certified in accordance to T250 and M249
748016	Permanent Pavement Striping, Alkyd-Thermoplastic, 8" (200mm)	ft (m)	minimum 1 / Source / Contract	Certified in accordance to T250 and M249
748017	Permanent Pavement Striping, Alkyd-Thermoplastic, 6" (150mm)	ft (m)	minimum 1 / Source / Contract	Certified in accordance to T250 and M249
748027	Permanent Pavement Striping, Alkyd-Thermoplastic, 12" (300mm)	ft (m)	minimum 1 / Source / Contract	Certified in accordance to T250 and M249
748028	Permanent Pavement Striping, Alkyd-Thermoplastic, 4" (100mm) on Type C	ft (m)	minimum 1 / Source / Contract	Certified in accordance to T250 and M249
748029	Permanent Pavement Striping, Symbol / Legend Alkyd-Thermoplastic on Hot-Mix Type C	ft ² (m ²)	minimum 1 / Source / Contract	Certified in accordance to T250 and M249
748030	Permanent Pavement Striping, Alkyd-Thermoplastic, 4" (100mm) on Open Graded	ft (m)	minimum 1 / Source / Contract	Certified in accordance to T250 and M249
748031	Permanent Pavement Striping, Symbol / Legend Alkyd-Thermoplastic on Open Graded	ft ² (m ²)	minimum 1 / Source / Contract	Certified in accordance to T250 and M249
748500	Bicycle Symbol	Each	minimum 1 / Source / Contract	Certification of Glass Spheres to M247, Type I
748502	Raised / Recessed Pavement Marker	Each	minimum 1 / Source / Contract	Certification to be Stimsonite Model 96 Snowplowable Marker or an Approved Equal
748503	Recessed Pavement Marker	Each	minimum 1 / Source / Contract	Certification to be Stimsonite Model 948
748504	Recessed Twin Pavement Marker	Each	minimum 1 / Source / Contract	Certification to be Stimsonite Model 948

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
748506	Permanent Pavement Striping, Epoxy Resin Paint, 4" (100mm)	ft (m)	minimum 1 / Source / Contract	Color Certified to ASTM D1535, Reflectance Tested in Accordance with Method 6121 of Federal Test Method No. 141, Abrasion Resistance Tested by ASTM C501, Tensile Strength ASTM D638, Compressive Strength D695, Hardness ASTM D2240
748507	Permanent Pavement Striping, Epoxy Resin Paint, 6" (150mm)	ft (m)	minimum 1 / Source / Contract	Color Certified to ASTM D1535, Reflectance Tested in Accordance with Method 6121 of Federal Test Method No. 141, Abrasion Resistance Tested by ASTM C501, Tensile Strength ASTM D638, Compressive Strength D695, Hardness ASTM D2240
748508	Permanent Pavement Striping, Epoxy Resin Paint, 8" (200mm)	ft (m)	minimum 1 / Source / Contract	Color Certified to ASTM D1535, Reflectance Tested in Accordance with Method 6121 of Federal Test Method No. 141, Abrasion Resistance Tested by ASTM C501, Tensile Strength ASTM D638, Compressive Strength D695, Hardness ASTM D2240
748509	Permanent Pavement Striping, Epoxy Resin Paint, 12" (300mm)	ft (m)	minimum 1 / Source / Contract	Color Certified to ASTM D1535, Reflectance Tested in Accordance with Method 6121 of Federal Test Method No. 141, Abrasion Resistance Tested by ASTM C501, Tensile Strength ASTM D638, Compressive Strength D695, Hardness ASTM D2240
748510	Permanent Pavement Striping, Symbol / Legend, Epoxy Resin Paint	ft ² (m ²)	minimum 1 / Source / Contract	Color Certified to ASTM D1535, Reflectance Tested in Accordance with Method 6121 of Federal Test Method No. 141, Abrasion Resistance Tested by ASTM C501, Tensile Strength ASTM D638, Compressive Strength D695, Hardness ASTM D2240
748512	Retroreflective Preformed Patterned Markings, 6" (150mm)	ft (m)	minimum 1 / Source / Contract	Certification of Material to be Constructed of Polymeric Materials and Glass Beaded Pigments, Reflectance Tested In Accordance to ASTM D4061, Skid Resistance tested by ASTM E303
748513	Retroreflective Preformed Patterned Markings, 12" (300mm)	ft (m)	minimum 1 / Source / Contract	Certification of Material to be Constructed of Polymeric Materials and Glass Beaded Pigments, Reflectance Tested In Accordance to ASTM D4061, Skid Resistance tested by ASTM E303
748514	Retroreflective Preformed Patterned Markings, 8" (200mm)	ft (m)	minimum 1 / Source / Contract	Certification of Material to be Constructed of Polymeric Materials and Glass Beaded Pigments, Reflectance Tested In Accordance to ASTM D4061, Skid Resistance tested by ASTM E303
748519	Retroreflective Preformed Patterned Markings, 4" (100mm)	ft (m)	minimum 1 / Source / Contract	Certification of Material to be Constructed of Polymeric Materials and Glass Beaded Pigments, Reflectance Tested In Accordance to ASTM D4061, Skid Resistance tested by ASTM E303
748529	Retroreflective Preformed Patterned Markings, Symbol / Legend	ft ² (m ²)	minimum 1 / Source / Contract	Certification of Material to be Constructed of Polymeric Materials and Glass Beaded Pigments, Reflectance Tested In Accordance to ASTM D4061, Skid Resistance tested by ASTM E303

Table B-1: Minimum Testing Frequencies and Test Procedures				
ITEM	DESCRIPTION	MINIMUM TESTING FREQUENCY		TEST PROCEDURE (AASHTO or as Noted)
		UNIT	SAMPLES / UNIT	
755000	Hot-Mix, Hot Laid, Bituminous Concrete Curb	ft (m)	See Division 400	See Division 400
756000	Sand	Ton (t)	1 / 550 (1 / 500)	T11, T27